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CNB Digital Security Systems



www.cnbttec.com

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SS2965NXW / SS2965PXW



S1965NX / S1965PX

Speed Dome Camera Series

CNB Digital Security System



PM3063N / PM3063P

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Speed Dome Camera Main Feature

• Powerful 36x Optical Zoom (f=3.4~122.4mm)

- This superior zoom feature allows subjects to display clear, fast images with the 36x A/F zoom lens and 12x digital zoom to offer up to Max 432x zoom.

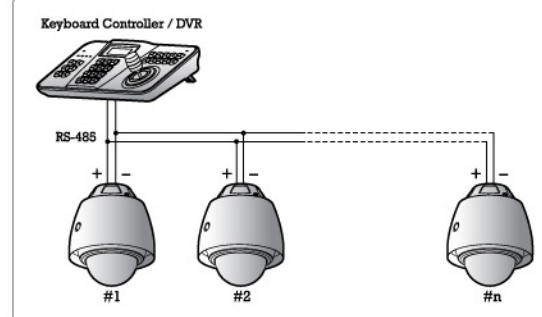
- Zoom Magnification : 36x Optical Zoom, 12x Digital Zoom (Max. 432x Zoom)
30x Optical Zoom, 10x Digital Zoom (Max. 300x Zoom)
26x Optical Zoom, 12x Digital Zoom (Max. 312x Zoom)
27x Optical Zoom, 10x Digital Zoom (Max. 270x Zoom)



• PTZ(Pan/Tilt/Zoom) Control

- With RS-485 communication, Max. 255 of cameras can be controlled at the same time.

- Pelco-D or Pelco-P protocol can be selected as a control protocol in the current version of firmware.

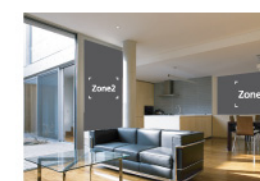


• TDN(ICR)

- The camera produces 480 high resolution of true color in daylight. ICR filter by AGC type also provides clear black and white images at nighttime of low illumination at 0.0005 lux (Night mode, DSS Max).

• Privacy Zone Function

- Easy Installation and Perfect Outdoor Environment Compatibility.
Can set a privacy zone function to protect private area. It is possible to maximum 8 area and free to adjust masking size & area.



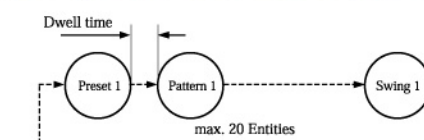
• Preset, Pattern, Swing, Group and more...

- Max. 127 Presets are assignable and characteristics of each preset can be set up independently, such as White Balance, Auto Exposure, Label, Digital Outputs and so on.

-Max. 8 set of Swing action can be stored. This enables to move camera repetitively between two preset positions with designated speed.

- Max. 4 of Patterns can be recorded and played back. This enables to move camera to follow any trajectory operated by joystick as closely as possible.

- Max. 8 set of Group action can be stored. This enables to move camera repetitively with combination of Preset or Pattern or Swing. A Group is composed of Max. 20 entities of Preset/Pattern/Swings.



• Reserved Presets for Special Purpose

- OSD menu is provided to display the status of camera and to configure the functions interactively.

- The information such as Camera ID, Pan/Tilt Angle, Alarm I/O and Preset can be displayed on screen.

DISPLAY SETUP	
CAMERA ID	ON
PTZ INFORMATION	AUTO
ACTION TITLE	AUTO
PRESET LABEL	AUTO
ALARM I/O	AUTO
<SET NORTH DIRECTION>	AUTO
<PRIVACY ZONE>	
BACK	
EXIT	

• Convenient firmware upgrade

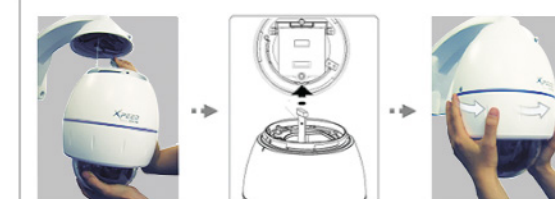
- User-friendly design and mechanism makes installing cameras easy and simple. In addition, utilizing X-stick(update stick) through terminal during installation for default user setting and firmware upgrade possible.



• Easy Installation and Perfect Outdoor Environment Compatibility

- Fans and heaters are built-in camera for cold and hot temperature environment. Also idealistic mechanical design protects camera from water and dust. (IP 66)

- It is easy to install and maintain camera with terminal for cable connection in brackets.



SS2965NXW / SS2965PXW

Outdoor Speed Dome Series



FEATURES

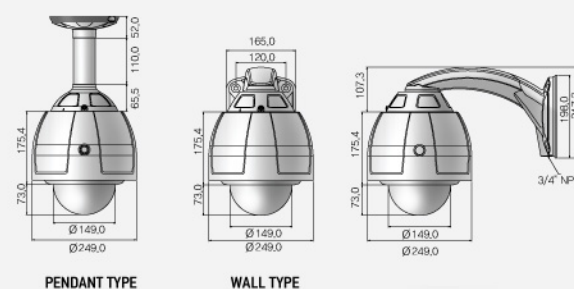
- 432x Zoom(36x Optical / 12x Digital)
- User Friendly Installation
- An angle of direction display
- 127 preset positions
- Pan/tilt maximum rotating speed is 360°/sec
- Electronic sensitivity-up (DSS)
- TDN(ICR)
- WDR
- Auto focus, Auto parking functions
- Automatic Flip Function
- Freeze & Preset function
- Privacy masking function
- IP66

Avail. in optional models

- SS2565NXW / SS2565PXW : 30x Optical / 10x Digital Zoom, Exview CCD
- SS2565NW / SS2565PW : 30x Optical / 10x Digital Zoom, IT CCD
- SS2765NW / SS2765PW : 27x Optical / 10x Digital Zoom, IT CCD
- SS2465NXW / SS2465PXW : 26x Optical / 12x Digital Zoom, Exview CCD
- SS2565NXP / SS2565PXP : 30x Optical / 10x Digital Zoom, Exview CCD
- SS2565NP / SS2565PP : 30x Optical / 10x Digital Zoom, IT CCD
- SS2765NP / SS2765PP : 27x Optical / 10x Digital Zoom, IT CCD
- SS2465NXP / SS2465PXP : 26x Optical / 12x Digital Zoom, Exview CCD



Dimension



Specification

Model	SS2965NXW	SS2965PXW
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/4" Exview CCD	
Sync. System	Internal/Line-Lock	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	530 TV Lines	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 50dB (AGC off)	
Lens	432x Zoom (36x Optical, 12x Digital), 3.4(W)mm~122.4(T)mm, F1.6(W) ~ F4.5(T)	
Focus Control	Auto / Manual / Semi-Auto	
Day & Night	Auto / Day / Night (ICR)	
Min. Illumination	1.0Lux (color), 0.07Lux (color,DSS), 0.01Lux (B/W,DSS), F1.2, 30IRE	
White Balance	Auto/Manual(Red, Blue Gain Adjustable)	
OSD Menu	English	
WDR (Wide Dynamic Range)	On/Off	
Privacy Zone	On/Off(8 zone settings)	
Preset / Swing	127 positions with labels, 8 swings	
Pattern / Group	4 patterns (about 5min/pattern), 8 groups (max. 20 entries)	
Panning/Tilting Range	Pan: 360° endless rotation; Tilt: 90°	
Panning/Tilting Speed	Manual: 1°~360°/sec; Preset: 360°/sec; Swing: 1°~180°/sec	
Panning/Tilting Accuracy	±0.25°	
Negative / Freeze Mode	On/Off	
Reverse / Mirror	On/Off (180° rotation); On/Off	
Power-up Action	Resume the last action executed (Preset, Swing, Group)	
Auto Parking / Flip	On/Off; On/Off (rotates dome 180° at bottom of tilt travel)	
Alarm I/O	4 port coupler inputs, 2 relay outputs	
Electronic Shutter Speed	1/4~1/10,000sec	1/3~1/10,000sec
Communication	RS-485, Controllable up to 255 cameras simultaneously	
Camera ID / Protocol	256 IDs / Pelco-D, Pelco-P, Panasonic, Samsung Elec, Samsung Techwin, Bosch	
Power Voltage, Consumption	24VAC/2A, 48VA	
Dimensions (Approx.)	Dome: 149(Ø); Housing: 249(Ø) x 355.7(H) mm	
Weight (Net)	Main Body : Approx. 4.3kg(with Sun-shield), Wall Mount : Approx. 1.5kg, Pendant Mount : Approx. 1.2kg	

S1965NX / S1965PX

Indoor Speed Dome Series



FEATURES

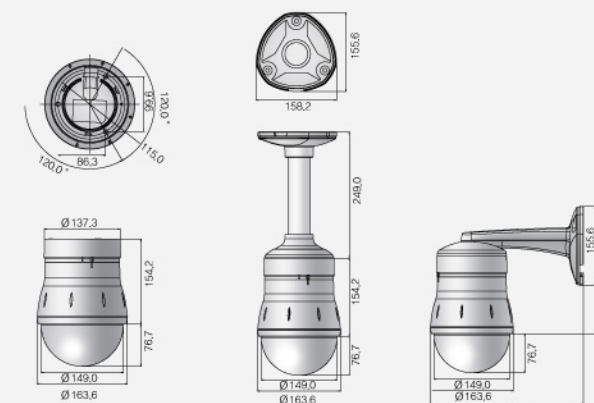
- 432x Zoom(36x Optical / 12x Digital)
- User Friendly Installation
- An angle of direction display
- 127 preset positions
- Pan/tilt maximum rotating speed is 360°/sec
- Electronic sensitivity-up (DSS)
- TDN(ICR)
- WDR
- Auto focus, Auto parking functions
- Automatic Flip Function
- Privacy masking function
- Freeze & Preset function

Avail. in optional models

- S1565NX / S1565PX : 30x Optical / 10x Digital Zoom, Exview CCD
- S1565N / S1565P : 30x Optical / 10x Digital Zoom, IT CCD
- S1765N / S1765P : 27x Optical / 10x Digital Zoom, IT CCD
- S1465NX / S1465PX : 26x Optical / 12x Digital Zoom, Exview CCD



Dimension



Specification

Model	S1965NX	S1965PX
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/4" Exview CCD	
Sync. System	Internal/Line-Lock	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	530 TV Lines	
Video Output Level	1.0Vp-p (75Ω, composite)	
S/N Ratio	More than 50dB (AGC off)	
Lens	432x Zoom (36x Optical, 12x Digital), 3.4(W)mm~122.4(T)mm, F1.6(W) ~ F4.5(T)	
Focus Control	Auto / Manual / Semi-Auto	
Day & Night	Auto / Day / Night (ICR)	
Min. Illumination	1.0Lux (color), 0.07Lux (color,DSS), 0.01Lux (B/W,DSS), F1.2, 30IRE	
White Balance	Auto/Manual(Red, Blue Gain Adjustable)	
OSD Menu	English	
WDR (Wide Dynamic Range)	On/Off	
Privacy Zone	On/Off(8 zone settings)	
Preset / Swing	127 positions with labels, 8 swings	
Pattern / Group	4 patterns (about 5min/pattern), 8 groups (max. 20 entries)	
Panning/Tilting Range	Pan: 360° endless rotation; Tilt: 90°	
Panning/Tilting Speed	Manual: 1°~360°/sec; Preset: 360°/sec; Swing: 1°~180°/sec	
Panning/Tilting Accuracy	±0.25°	
Negative / Freeze Mode	On/Off	
Reverse / Mirror	On/Off (180° rotation); On/Off	
Power-up Action	Resume the last action executed (Preset, Swing, Group)	
Auto Parking / Flip	On/Off; On/Off (rotates dome 180° at bottom of tilt travel)	
Alarm I/O	4 port coupler inputs, 2 relay outputs	
Electronic Shutter Speed	1/4~1/10,000sec	1/3~1/10,000sec
Communication	RS-485, Controllable up to 255 cameras simultaneously	
Camera ID / Protocol	256 IDs / Pelco-D, Pelco-P, Panasonic, Samsung Elec, Samsung Techwin, Bosch	
Power Voltage, Consumption	24VAC/2A, 48VA	
Dimensions (Approx.)	Dome: 149(Ø); Housing: 163.6(Ø) x 230.9(H) mm (without decorative bottom ring)	
Weight (Net)	Approx. (Main Body) 2.5kg, (Wall Mount) 768g, (Pendant Mount) 880g, (In-Ceiling) 984g	

SSM2065NW / SSM2065PW

Mini Outdoor Speed Dome Series



FEATURES

- 100x Zoom(10x Optical / 10x Digital)
- User Friendly Installation
- An angle of direction display
- 127 preset positions
- Pan/tilt maximum rotating speed is 360°/sec
- Electronic sensitivity-up (DSS)
- TDN(ICR)
- Auto focus, Auto parking functions
- Electric Flip function
- Privacy masking function
- Built-in Fan/Heater

Avail. in optional models

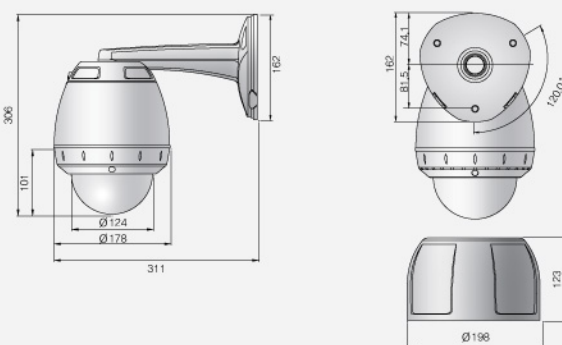
- SSM2063NW / SSM2063PW : 12VDC
- SSM2065NP / SSM2065PP : Pendant Mount
- SSM2063NP / SSM2063PP : 12VDC, Pendant Mount



Specification

Model	SSM2065NW	SSM2065PW
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/4" IT CCD	
Sync. System	Internal/Line-Lock	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	500 TV Lines	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 50dB (AGC off)	
Lens	100x Zoom (10x Optical, 10x Digital), 3.8(W)mm~38.0(T)mm, F1.6(W) ~ F3.8(T)	
Focus Control	Auto / Manual / Semi-Auto	
Day & Night	Auto / Day / Night (ICR)	
Min. Illumination	0.7Lux (color), 0.005Lux (color,DSS), 0.02Lux (B/W,DSS), F1.2, 30IRE	
White Balance	Auto/Manual(Red, Blue Gain Adjustable)	
OSD Menu	English	
WDR (Wide Dynamic Range)	On/Off	
Privacy Zone	On/Off(8 zone settings)	
Preset / Swing	127 positions with labels, 8 swings	
Pattern / Group	4 patterns (about 5min/pattern), 8 groups (max. 20 entries)	
Panning/Tilting Range	Pan: 360° endless rotation; Tilt: 180°(auto flip) Tilt: 95°(normal)	
Panning/Tilting Speed	Manual: 1°~ 360°/sec; Preset: 360°/sec; Swing: 1°~180°/sec	
Panning/Tilting Accuracy	±0.25°	
Negative / Freeze Mode	On/Off	
Reverse / Mirror	On/Off (180° rotation); On/Off	
Power-up Action	Resume the last action executed (Preset, Swing, Group)	
Auto Parking / Flip	On/Off; On/Off (rotates dome 180° at bottom of tilt travel)	
Alarm I/O	4 port coupler inputs, 1 relay outputs	
Electronic Shutter Speed	1/4~1/10,000sec	1/3~1/10,000sec
Communication	RS-485, Controllable up to 255 cameras simultaneously	
Camera ID / Protocol	256 IDs / Pelco-D, Pelco-P, Panasonic, Samsung Elec, Samsung Techwin, Bosch	
Power Voltage, Consumption	24VAC/2A, 48VA	
Dimensions (Approx.)	Dome: 124(Ø) x 306(H) mm	
Weight (Net)	Main Body : Approx. 2.9kg(with Sun-shield) Wall Mount : Approx. 1.2kg, Pendant Mount : Approx. 1.1kg	

Dimension



SMC1065N / SMC1065P

Mini Indoor Speed Dome Series



FEATURES

- 100x Zoom(10x Optical / 10x Digital)
- User Friendly Installation
- An angle of direction display
- 127 preset positions
- Pan/tilt maximum rotating speed is 360°/sec
- Electronic sensitivity-up (DSS)
- TDN(ICR)
- Auto focus, Auto parking functions
- Electric Flip function
- Privacy masking function

Avail. in optional models

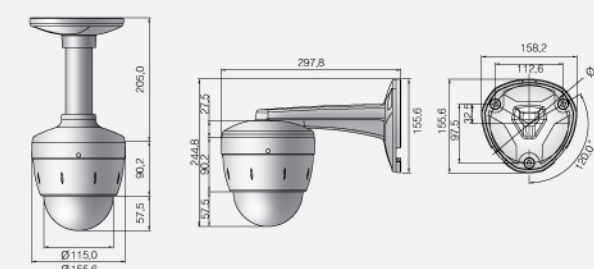
- SFM-20VF / SFM-21VF : Built-in Vari-focal Lens (3.8~9.5mm), 12VDC
- SMC1063N / SMC1063P : 12VDC



Specification

Model	SMC1065N	SMC1065P
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/4" IT CCD	
Sync. System	Internal/Line-Lock	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	500 TV Lines	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 50dB (AGC off)	
Lens	100x Zoom (10x Optical, 10x Digital), 3.8(W)mm~38.0(T)mm, F1.6(W) ~ F3.8(T)	
Focus Control	Auto / Manual / Semi-Auto	
Day & Night	Auto / Day / Night (ICR)	
Min. Illumination	0.7Lux (color), 0.005Lux (color,DSS), 0.02Lux (B/W,DSS), F1.2, 30IRE	
White Balance	Auto/Manual(Red, Blue Gain Adjustable)	
OSD Menu	English	
WDR (Wide Dynamic Range)	On/Off	
Privacy Zone	On/Off(8 zone settings)	
Preset / Swing	127 positions with labels, 8 swings	
Pattern / Group	4 patterns (about 5min/pattern), 8 groups (max. 20 entries)	
Panning/Tilting Range	Pan: 360° endless rotation; Tilt: 90°	
Panning/Tilting Speed	Manual: 1°~ 360°/sec; Preset: 360°/sec; Swing: 1°~180°/sec	
Panning/Tilting Accuracy	±0.25°	
Negative / Freeze Mode	On/Off	
Reverse / Mirror	On/Off (180° rotation); On/Off	
Power-up Action	Resume the last action executed (Preset, Swing, Group)	
Auto Parking / Flip	On/Off; On/Off (rotates dome 180° at bottom of tilt travel)	
Alarm I/O	4 port coupler inputs	
Electronic Shutter Speed	1/4~1/10,000sec	1/3~1/10,000sec
Communication	RS-485, Controllable up to 255 cameras simultaneously	
Camera ID / Protocol	256 IDs / Pelco-D, Pelco-P, Panasonic, Samsung Elec, Samsung Techwin, Bosch	
Power Voltage, Consumption	24VAC/0.8A, 19VA	
Dimensions (Approx.)	Dome: 115(Ø) x 147.5(H) x 141(H) mm	
Weight (Net)	Main Body : Approx. 1kg	

Dimension



PM3063N / PM3063P

Interior Speed Dome



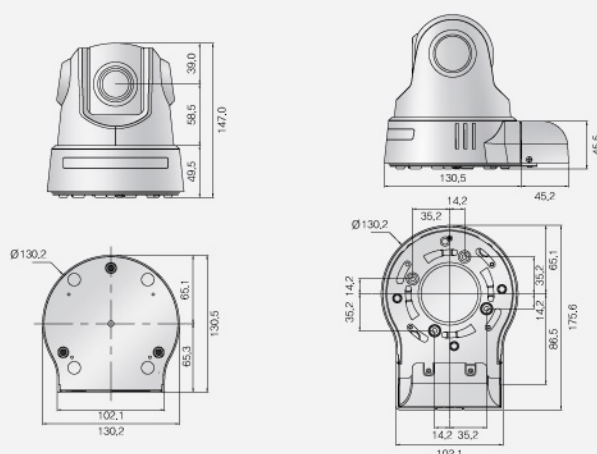
FEATURES

- 100x Zoom(10x Optical / 10x Digital)
- Maximum speed Pan 360°/sec, Tilt 180°/sec
- Angular Speed : Pan 360°, Tilt 190°
- 127 preset positions, 8 Swings, 4 Patterns, 8 Groups
- Auto focus, Auto parking
- TDN (ICR), DSS, OSD, SDNR
- Electric Flip function
- Privacy masking function
- RS-485

Rear view



Dimension



Specification

Model	PM3063N	PM3063P
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/4" IT CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	550 TV Lines(Color), 570 TV Lines(BW)	
Video Output Level	1.0Vp-p (75Ω, composite)	
S/N Ratio	More than 50dB (AGC off)	
Digital Zoom Ratio	10x	
Lens	10x Optical, 10x Digital (3.8(W)mm~38(T)mm, F1.8)	
Min. Illumination	0.7Lux (Color), 0.02Lux (BW), 50 IRE	
Day & Night System	Electronic sensitivity-up (DSS), ICR (AGC type)	
Digital Noise Reduction	Low / Middle / High / Off	
White Balance	Auto/Manual (Red, Blue Gain Adjustable)	
Digital Slow Shutter	Off/2FLD ~ 128 FLD Mode	
OSD Menu	Menu/PTZ Information	
Privacy Zone	ON/OFF (4 zone settings)	
Electronic Shutter Speed	1/60sec ~ 1/120,000 sec	1/50sec ~ 1/120,000 sec
Preset / Swing	127 positions with labels / 8 swings	
Pattern / Group	4 patterns / 8 groups (max. 20 entries)	
Panning/Tilting Range	Pan: 360° endless rotation; Tilt: 190°	
Panning/Tilting Speed	Manual: 1° ~ 360°/sec; Preset: 360°/sec; Swing: 1° ~ 180°/sec	
Power Voltage	12VDC	
Power Consumption	Max. 3.5W	
Dimensions (Approx.)	130.2(W) x 130.5(D) x 142.1(H) mm	
Weight (Net)	Approx. 1Kg	

SOJ-S23-24 / SOJ-S22-24

Speed Dome Accessories



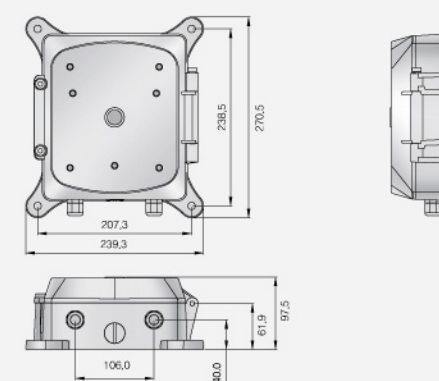
FEATURES

- AC Power Junction Box for Speed Dome
- SOJ-S23-24 : AC Power Input 230V / 50Hz
AC Power Output : 24VAC 2.5A / 50Hz
- SOJ-S22-24 : AC Power Input 220V / 60Hz
AC Power Output : 24VAC 2.5A / 60Hz

Specification

Model	SOJ-S23-24	SOJ-S22-24
AC Power Input	230V / 50Hz	220V / 60Hz
AC Power Output	24VAC 2.5A / 50Hz	24VAC 2.5A / 60Hz
Dimensions(mm)	239.3(w) x 270.5(h) x 97.5(d)	
Approx	5Kg	

Dimension



Accessories (Order Separately)





A2763NL / A2763PL



BE7813NCR / BE7813PCR

Analog Camera Series

CNB Digital Security System



DBM-20VF / DBM-21VF



BFB-30F / BFB-31F

CNB
TECHNOLOGY Inc.

A1563NL / A1563PL

30x Zoom Camera Series



FEATURES

- 1/4" IT CCD
- High Resolution : 480 TV Lines
- Built-in Auto Focus/Auto Iris
- 30x Optical Power Zoom Lens
- 10x Digital Zoom (Max. 300x)
- Electronic Sensitivity-up(DSS)
- TDN (ICR)
- On-screen Menu Control (OSD)
- Video Transmission Distance Adjustable (3 Steps)
- RS-485 Interface(Pelco-D)/PTZ Controller Interface
- 12VDC

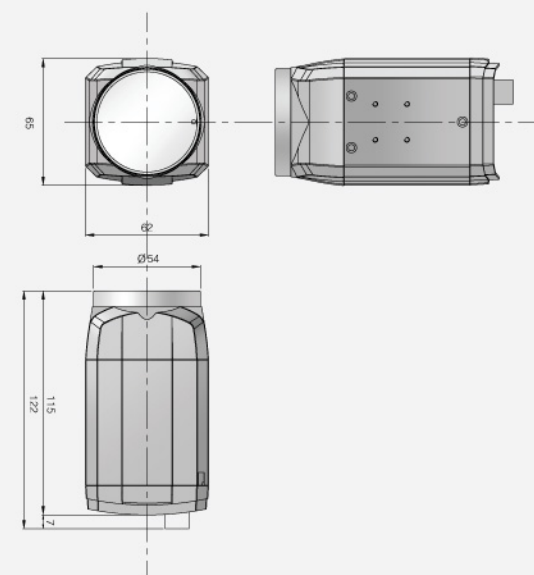
Rear view



Avail. in optional models

- A1568NL / A1568PL : 24VAC / 12VDC Dual Voltage

Dimension



Specification

Model	A1563NL	A1563PL
Signal System	NTSC	PAL
Scanning System	2:1 Interface	
Scanning Frequency(H)	15.625kHz	
Scanning Frequency(V)	50Hz	
Image Sensor	1/4" IT CCD	
Sync. System	Internal	
Total Pixels Number	811 (H) x 508 (V) 410K	795 (H) x 596 (V) 470K
Effective Pixels Number	768 (H) x 494 (V) 380K	752 (H) x 582 (V) 440K
Horizontal Resolution	480 TV Lines	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 48dB (AGC Off)	
Digital Zoom Ratio	10x	
Lens	30x Zoom Video AF (F1.6(W), F3.2(T) f=3.3~99.0mm)	
Angle of View	Horizontal 58.0° ~ 2.22°	
Min. Illumination	Day 1Lux, Night 0.5Lux, DSS 0.001Lux(F1.2, 30IRE)	
Day & Night System	IR Cut Filter & Digital Slow Shutter	
White Balance	AUTO/PUSH AUTO/OUTDOOR/INDOOR/SPECIAL	
AGC	Auto/Manual(0~255)	
BLC	NORMAL/C1/C2/L1/L2/U1/U2/D1/D2/R1/R2	
Flickerless	ON/OFF	
Digital Slow Shutter	2FLD~128FLD/OFF	
OSD Menu	Multi-language OSD (default: ENG/KOR)	
Focus Mode	Auto / Manual	
Motion detection	CENTER/OUT/UPPER/WHOLE/OFF	
Input/Output Connector	Power: 2 Pin Terminal / RS-485: 2 Pin Circle Connector / PTZ Control: 3 Pin Circle Connector / Video Output: 1BNC Connector	
Electronic Shutter Speed	1/60 ~ 1/10,000s (Manual, 8 steps)	1/50 ~ 1/10,000s (Manual, 8 steps)
Power Voltage	12VDC (10V~15V)	
Power Consumption	Max. 6W / 0.5A	
Dimensions	65(W) x 62(H) x 115(D) mm	
Weight (Net)	Approx. 375g	

A2763NL / A2763PL

27x Zoom Camera Series



FEATURES

- 1/4" IT CCD
- High Resolution : 480 TV Lines
- Built-in Auto Focus/Auto Iris
- 27x Optical Power Zoom Lens
- 10x Digital Zoom (Max. 270x)
- Electronic Sensitivity-up(DSS)
- TDN (ICR)
- On-screen Menu Control (OSD)
- Six Backlight Compensation (BLC) Zones
- Video Transmission Distance Adjustable (3 Step)
- RS-485 Interface(Pelco-D)/PTZ Controller Interface
- 12VDC

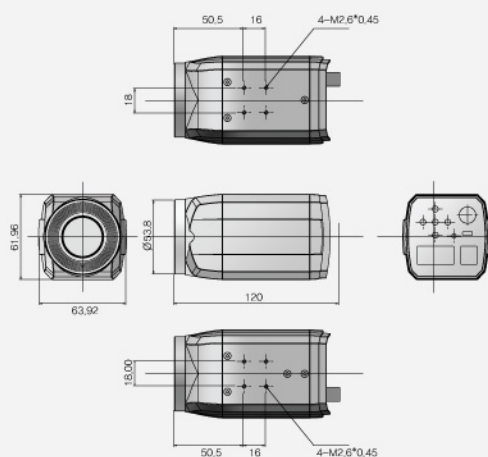
Rear view



Avail. in optional models

- A2768NL / A2768PL : 24VAC/12VDC Dual Voltage
- A2368NL / A2368PL : Max. 230x Zoom (23x Optical/10x Digital)
24VAC/12VDC Dual Voltage
- A2363NL / A2363PL : Max. 230x Zoom (23x Optical/10x Digital)
- A1868NL / A1868PL : Max. 180x Zoom (18x Optical/10x Digital)
24VAC/12VDC Dual Voltage
- A1863NL / A1863P : Max. 180x Zoom (18x Optical/10x Digital)

Dimension



Specification

Model	A2763NL	A2763PL
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/4" IT CCD	
Sync. System	Internal	
Total Pixels Number	811 (H) x 508 (V) 410K	795 (H) x 596 (V) 470K
Effective Pixels Number	768 (H) x 494 (V) 380K	752 (H) x 582 (V) 440K
Horizontal Resolution	480 TV Lines	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 48dB (AGC Off)	
Digital Zoom Ratio	10x	
Lens	27x Zoom Video AF (F1.6, f=3.6~97.2mm)	
Min. Illumination	Day mode 1Lux, Night mode 0.25Lux, DSS 0.001Lux(F1.2, 30IRE)	
Day & Night System	IR Cut Filter & Digital Slow Shutter	
AGC	ON/OFF	
BLC	6 Back Light Compensation Zones	
Flickerless	ON/OFF	
Digital Slow Shutter	2FLD~128FLD/OFF	
OSD Menu	Multi-language OSD (default: ENG/KOR)	
Input/Output Connector	Power: 2 Pin Terminal / RS-485: 2 Pin Circle Connector / PTZ Control: 3 Pin Circle Connector / Video Output: 1 BNC Connector	
Electronic Shutter Speed	1/60 ~ 1/10,000s (Manual, 8 steps)	1/50 ~ 1/10,000s (Manual, 8 steps)
Power Voltage	12VDC (9V~15V)	
Power Consumption	Max. 4.68W / 390mA	
Dimensions	63(W) x 62(H) x 120(D) mm	
Weight (Net)	Approx. 325g	

Zoom Module Camera

30x Zoom Module

M1560NL / M1560PL

FEATURES

- 1/4" IT CCD, 480 TV Lines
- Built-in Auto Focus/Auto Iris
- Max. 300x Zoom (30x Optical/10x Digital)
- TDN(ICR), DSS, OSD
- 9 Pin Flat Cable, RS-232C TTL



27x Zoom Module

M2760NL / M2760PL

FEATURES

- 1/4" IT CCD, 480 TV Lines
- Built-in Auto Focus/Auto Iris
- Max. 270x Zoom (27x Optical/10x Digital)
- TDN(ICR), DSS, OSD
- RS-232C TTL Interface



Avail. in optional models

- M2360NL / M2360PL : Max. 230x Zoom (23x Optical/10x digital Zoom)
- M1860NL / M1860PL : Max. 180x Zoom (18x Optical/10x digital Zoom)
without TDN(ICR)

23x Zoom Module

VM2360NL / VM2360PL

FEATURES

- 1/4" IT CCD, 480 TV Lines
- Built-in Auto Focus/Auto Iris
- Max. 230x Zoom (23x Optical/10x Digital)
- TDN(ICR), DSS, OSD
- RS-232C TTL Interface



Applications

- Video Presenter, Video Aid



Mega-pixel Zoom Module

VMP1011

FEATURES

- 1/3" Progressive Scan CMOS
- 1.3 Mega-pixel Resolution, Max. 15fps
- Max. 20x Zoom (10x Optical/2x Digital), OSD
- Focus & Exposure: Auto/Push Auto/Manual
- White Balance: Auto/Push Auto/Manual (Red/Blue)
- Shutter Speed, Text/Image, Preset, Brightness
- Analog Video Output: RGB Video (SXGA/XGA Mode)
- Digital Video Output: USB2.0
- USB, RS-232C Interface, 12VDC



Applications

- Video Presenter, Video Aid





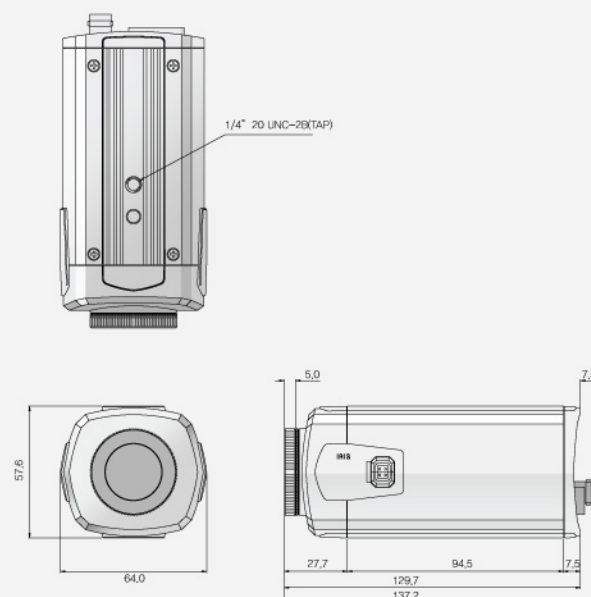
FEATURES

- 1/3" High Sensitivity CCD
- **Ultra High Resolution : 600 TV Lines (BW 650TV Lines)**
- TDN(ICR), DNR
- **Min. Illumination : 0.01Lux (B/W)**
- OSD, Auto White Balance
- AGC, SBLC, Flickerless
- **Motion Detection, Privacy Zone, Mirror Function**
- 12VDC
- RS-485(Pelco-D, CNB) Interface

Avail. in optional models

- **BBM-26F / BBM-27F** : 100VAC~240VAC Common Voltage
- **BBM-26 / BBM-27** : without TDN(ICR), 100VAC~240VAC Common Voltage
- **BBM-24F / BBM-25F** : 24VAC/12VDC Dual Voltage
- **BBM-24 / BBM-25** : without TDN(ICR), 24VAC/12VDC Dual Voltage
- **BBM-20 / BBM-21** : without TDN(ICR)

Dimension



Specification

Model	BBM-20F	BBM-21F
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625KHz
Scanning Frequency(V)	59.94 Hz	50Hz
Image Sensor	1/3" High Sensitivity CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	600 TV Lines (BW 650TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 50dB (AGC Off)	
Lens Mount	CS Mount	
Min. Illumination	0.1 Lux (Color), 0.01 Lux (B/W), F1.2, 30IRE	
Day & Night System	ICR(AGC Type)	
Digital Noise Reduction (SDNR)	Low, Middle, High, Off	
White Balance	ATW, Manual, Push	
AGC	On/Off	
SBLC	Off, Low, Middle, High	
Flickerless	On/Off	
OSD Menu	English, Chinese	
Mirror Function	Horizontal	
Privacy Zone	On/Off (4 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Electronic Shutter Speed	1/60~1/120,000 Sec	1/50~1/120,000 Sec
Power Voltage	12VDC (10V~15V)	
Power Consumption	Max. 2.2W/150mA	
Dimensions	64(W) x 57.6(H) x 124.66(D) mm	
Weight (Net)	Approx. 335g	

600 TV Lines Ultra High Resolution

The World's First 600 TV Lines!

Superb Picture Quality!
Extraordinary Low-Light Sensitivity!
Sharper Image!

With its advanced technology and state-of-the-art manufacturing, CNB Tech continues to provide the most suitable and reliable security solution for each customer's unique needs.

CNB MONALISA

- 600 TV Lines High-Resolution
- TDN (ICR), OSD, AWB, AGC
- SBLC (Super Back Light Compensation)
- DNR (Digital Noise Reduction)
- Min. Illumination 0.01Lux
- Privacy Zone, Mirror Function
- Motion Detection
- RS-485 (Pelco-D) Interface

600 TV Lines Ultra High Resolution

The advanced technology of CNB's Monalisa DSP produces the optimal picture quality by automatically adjusting to various lighting conditions and reducing noise on screen.



Normal DSP

Monalisa DSP

SBLC (Super Back Light Compensation)

When the important object in view is darkened as a result of bright backlight (e.g. direct sunlight), the SBLC feature helps to produce a clear picture by compensating for the darkened areas of the object in view.

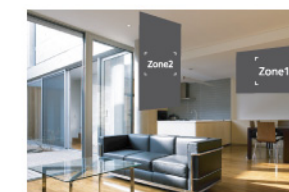


SBLC OFF

SBLC ON

Privacy Zone Function

This feature allows the user to select and adjust the size of "private zone" areas within view of camera.



Motion Detection

16 levels of sensitivity mode allows for efficient motion detection and compatibility with other alarm/security devices.



DNR (Digital Noise Reduction)

The DNR feature of CNB's Monalisa DSP minimizes any ghost effect in low light conditions and automatically reduces noise on screen, resulting in a clear picture quality at all times.



DNR OFF

DNR ON

High Sensitivity True D&N

By turning on the Day & Night feature, this feature helps to provide clear picture in low light conditions



Normal DSP

Monalisa DSP

BLUE-i



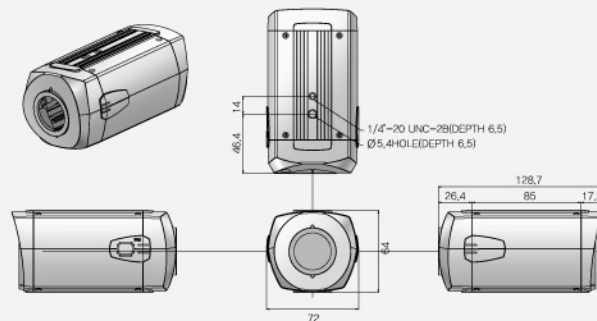
FEATURES

- 1/3" Double Scan CCD
- High Resolution : 580 TV Lines
- WDR (Wide Dynamic Range)
- Digital Slow Shutter 2x~128x Field (DSS)
- TDN(ICR)
- Min. Illumination : 0.0002Lux (DSS On, B/W)
- OSD, Auto White Balance, 6.13x Digital Zoom
- AGC, BLC
- Motion Detection, Privacy Zone, Eclipse
- RS-485(Pelco-D) Interface
- 12VDC

Avail. in optional models

- BFB-36F / BFB-37F : 100VAC~240VAC Common Voltage
- BFB-34F / BFB-35F : 24VAC/12VDC Dual Voltage

Dimension



Specification

Model	BFB-30F	BFB-31F
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625KHz
Scanning Frequency(V)	59.94 Hz	50Hz
Image Sensor	1/3" Double Scan CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	580 TV Lines (BW 650 TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 52dB (AGC off, BW mode)	
Digital Zoom Ratio	6.13x	
Lens Mount	C/CS Mount	
WDR (Wide Dynamic Range)	Up to 72dB (Low / Middle / High)	
Day & Night System	ICR(AGC Type)	
Night Burst	On/Off	
Digital Slow Shutter	Off/ 2x~128x Field	
Min. Illumination	0.1 Lux(Color), 0.0002 Lux(DSS On, B/W), F1.2, 30IRE	
3D-DNR	Level (0~63)	
OSD	ENG / KOR / RSN / CHN / SPN / FRN	
White Balance	ATW / ANTI-ROL / PUSH / Manual	
AGC	Off / Low / Middle / High	
Brightness	0~100	
BLC	Low / Middle / High	
Eclipse	On/Off (16 Zones)	
Privacy Zone	On/Off (8 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Gamma Mode	CRT / LCD	
D-Effect	V-Flip / Mirror / Rotate	
Sharpness	1 ~ 100	
Stabilizer	On / Off	
Communication	RS-485 (4800, 9600, 19200, 38400, 57600)	
Electronic Shutter Speed	1/60~1/90,000 sec	1/50~1/90,000 sec
Power Voltage	12VDC (+10% -20%)	
Power Consumption	Max. 2.1W / 170mA	
Dimensions	72(W) x 64(H) x 128.7(D) mm	
Weight (Net)	Approx. 324g	

CNB Blue - i

580 TV Lines WDR Technology

New Powerful DSP!

High quality image, Enhanced low-light Sensitivity, Sharper image
Delivering complete picture with CNB's ultra accurate WDR technology

CNB Blue - i

- 580 TV Lines High-Resolution
- TDN (ICR), OSD, AWB, AGC
- WDR, BLC
- Privacy Zone, Mirror Function
- Motion Detection
- Eclipse Function (On/Off)
- RS-485 (Pelco-D) Interface

580 TV Lines Ultra High Resolution

Automatically applies the optimal edge weight by assessing the edge data of surrounding, resulting in more natural, non-artificial picture quality.



3-DNR

The "3D-DNR" feature of CNB's Blue-i DSP renders optimal image quality by applying appropriate filter intensity for various lighting conditions. In addition, the "Global Motion" feature automatically minimizes any ghost effect on moving objects.



WDR (Wide Dynamic Range)

The "WDR" feature of CNB's Blue-i DSP produces a clear, balanced image by capturing both the bright and dark areas of the camera view. In essence, it is capable of processing a wide range of light by minimizing saturation from areas of direct sunlight and enhancing darker indoor areas.



Eclipse Function

Blue-i's "Eclipse" feature operates in association with the analog gain in low light conditions. By masking areas of bright light and compensating for areas of low light, it produces a clear picture especially when looking at a license plate of a vehicle with its headlights on.



High Sensitivity True D&N

True Day & Night feature with mechanical ICR (IR Cut-filter Removal) allows for clear picture during day or night.



Stabilizer

The "Stabilizer" feature in essence stabilizes the camera view against external forces such as wind.



BBB-20F / BBB-21F

Color Box Camera

BLUE-i



FEATURES

- 1/3" High Sensitivity CCD
- High Resolution : 580 TV Lines
- XWDR (Wide Dynamic Range)
- Digital Slow Shutter 2x~128x Field (DSS)
- TDN(ICR), 3D-DNR
- Min. Illumination : 0.0002Lux (DSS On, B/W)
- OSD, Auto White Balance, 6.13x Digital Zoom
- AGC, BLC
- Motion Detection, Privacy Zone, Eclipse
- RS-485(Pelco-D) Interface
- 12VDC

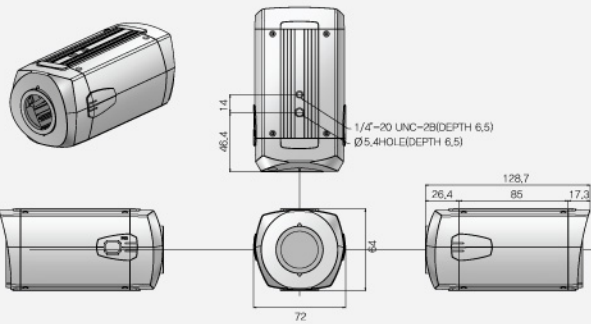
Avail. in optional models

- BBB-26F / BBB-27F : 100VAC~240VAC Common Voltage
- BBB-24F / BBB-25F : 24VAC/12VDC Dual Voltage

Specification

Model	BBB-20F	BBB-21F
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625kHz
Scanning Frequency(V)	59.94 Hz	50Hz
Image Sensor	1/3" High Sensitivity CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	580 TV Lines (BW 650 TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 52dB (AGC off, BW mode)	
Digital Zoom Ratio	6.13x	
Lens Mount	C/CS Mount	
WDR (Wide Dynamic Range)	Up to 60dB (Low / Middle / High)	
Day & Night System	ICR(AGC Type)	
Night Burst	On/Off	
Digital Slow Shutter	Off/ 2x~128x Field	
Min. Illumination	0.05 Lux(Color), 0.0002 Lux(DSS On, B/W), F1.2, 30IRE	
3D-DNR	Level (0~63)	
OSD	ENG / KOR / RSN / CHN / SPN / FRN	
White Balance	ATW / ANTI-ROL / PUSH / Manual	
AGC	Off / Low / Middle / High	
Brightness	0~100	
BLC	Low / Middle / High	
Eclipse	On/Off (16 Zones)	
Privacy Zone	On/Off (8 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Gamma Mode	CRT / LCD	
D-Effect	V-Flip / Mirror / Rotate	
Sharpness	1 ~ 100	
Stabilizer	On / Off	
Communication	RS-485 (4800, 9600, 19200, 38400, 57600)	
Electronic Shutter Speed	1/60~1/90,000 sec	1/50~1/90,000 sec
Power Voltage	12VDC (+10% -20%)	
Power Consumption	Max. 2.1W / 170mA	
Dimensions	72(W) x 64(H) x 128.7(D) mm	
Weight (Net)	Approx. 324g	

Dimension



GB4662NF / GB4662PF

Color Box Camera

FEATURES

- 1/3" PIXIM DPS Sensor
- High Resolution 530 TV Lines
- Ultra WDR (Ultra Wide Dynamic Range)
- Digital Slow Shutter 2x~32x
- Electronic Sensitivity-up (DSS)
- TDN(ICR)
- Min. Illumination : 0.04Lux (DSS On)
- OSD, Auto White Balance, Privacy Zone
- AGC (Auto), BLC (Zone Selectable)
- Auto-FFF (Fluorescent Flicker Free)
- Super Digital Noise Reduction
- RS-485(Pelco-D) Interface
- 12VDC



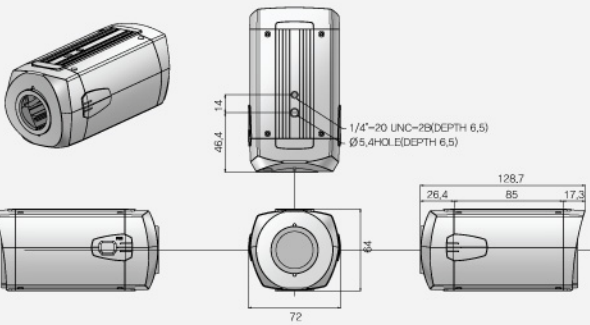
Avail. in optional models

- GB4667NF / GB4667PF : 24VAC/12VDC Dual Voltage
- GB4667N / GB4667P : without TDN(ICR), 24VAC/12VDC Dual Voltage
- GB4662N / GB4662P : without TDN(ICR)

Specification

Model	GB4662NF	GB4662PF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625kHz
Scanning Frequency(V)	59.94 Hz	50 Hz
Image Sensor	1/3" PIXIM DPS Sensor	
Sync. System	Internal	
Total Pixels Number	742(H) x 554(V)	
Effective Pixels Number	720(H) x 540(V)	
Horizontal Resolution	530 TV Lines	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 50dB (AGC Off)	
Lens Mount	C/CS Mount	
Min. Illumination	0.2Lux (B/W), 0.04Lux CDSS On (B/W), F1.2, 30IRE	
Ultra Wide Dynamic Range	102dB (Typical) / 120dB (Max)	
Day & Night System	Electronic Sensitivity-up (DSS), ICR(AGC Type), Color/Auto/BW/EXT Selectable	
Digital Noise Reduction (SDNR)	On/Off	
White Balance	ATWDesat(2000K~11000K) / ATW Norm / AWB HOLD / MANUAL	
AGC	Auto / Zone Selectable	
BLC	Auto / Zone Selectable	
Flickerless	Auto-FFF On/Off	
Digital Slow Shutter	Off / 2x ~ 32x	
OSD Menu	On/Off	
Sharpness Control	Level Adjustable	
Privacy Zone	On/Off (12 Programmable)	
Electronic Shutter Speed	x32~x2, 1/60~1/30,720sec	x32~x2, 1/50~1/30,720sec
Operating Temperature	-10°C ~ +50°C	
Power Voltage	DC 10V ~ 18V (Recommendation DC12 ±0.5V)	
Power Consumption	Max. 2.8W / 230mA	
Dimensions	72(W) x 64(H) x 128.7(D) mm	
Weight (Net)	Approx. 430g	

Dimension



VCM-20VF / VCM-21VF

Vandal-Resistant Dome Camera

MONALISA



FEATURES

- 1/3" High Sensitivity CCD
- **Ultra High Resolution : 600 TV Lines (BW 650TV Lines)**
- Built-in DC Iris Vari-focal Lens(f=2.8~10.5mm)
- TDN(ICR)
- Min. Illumination : 0.01Lux (B/W)
- OSD, Auto White Balance
- AGC, SBLC, Flickerless
- **Motion Detection, Privacy Zone, Mirror Function**
- 3-Axis Movement for Free Lens Rotation
- Vandal-Resistant Dome Housing
- Dual (Surface/Flush) Mount, 12VDC
- (Option) RS-485(Pelco-D, CNB) Interface, Built-in Heater

Avail. in optional models

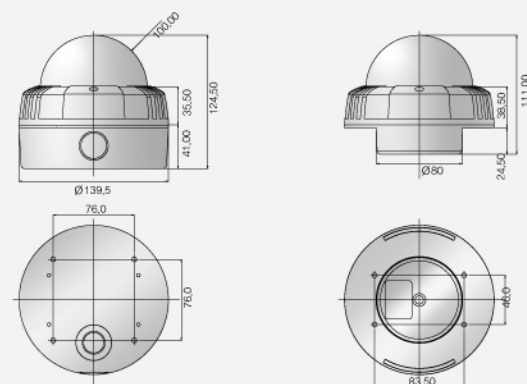
- **VCM-24VF / VCM-25VF** : 24VAC/12VDC Dual Voltage
- **VCM-24VD / VCM-25VD** : Varifocal Lens(4~9mm), without TDN(ICR), 24VAC/12VDC Dual Voltage
- **VCM-20VD / VCM-21VD** : Varifocal Lens(4~9mm), without TDN(ICR)

Accessories (Order Separately)

- **WDB202** : Wall Mount Bracket
- **PDB102** : Pendant Mount Bracket



Dimension



Specification

Model	VCM-20VF	VCM-21VF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/3" High Sensitivity CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	600 TV Lines (BW 650TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 50dB (AGC off)	
Lens	DC Iris Vari-focal Lens (f=2.8~10.5mm)	
Min. Illumination	0.1 Lux (Color), 0.01 Lux (B/W), F1.2, 30IRE	
Day & Night System	ICR(AGC Type)	
Digital Noise Reduction (SDNR)	Low, Middle, High, Off	
White Balance	ATW, Manual, Push	
AGC	On/Off	
SBLC	Off, Low, Middle, High	
Flickerless	On/Off	
OSD Menu	English, Chinese	
Mirror Function	Horizontal	
Privacy Zone	On/Off (4 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Electronic Shutter Speed	1/60~1/120,000	1/50~1/120,000
Manual Shutter Speed	1/60, 1/250, 1/700, 1/1K, 1/1.6K, 1/2.5K, 1/5K, 1/7K, 1/10K, 1/30K, 1/60K, 1/120K	1/50, 1/250, 1/700, 1/1K, 1/1.6K, 1/2.5K, 1/5K, 1/7K, 1/10K, 1/30K, 1/60K, 1/120K
Power Voltage	12VDC (10V~15V)	
Power Consumption	Max. 2.2W/180mA	
Dimensions	Surface : 100.0(Ø) x 124.5(H) mm / Flush : 100.0(Ø) x 111.0(H) mm	
Weight (Net)	Approx. 1210g	

VCB-30VF / VCB-31VF

Vandal-Resistant Dome Camera

BLUE-i



FEATURES

- 1/3" Double Scan CCD
- High Resolution : 580 TV Lines
- Built-in DC Iris Vari-focal Lens(f=2.8~10.5mm)
- **WDR (Wide Dynamic Range)**
- Digital Slow Shutter 2x~128x Field (DSS)
- TDN(ICR), 6.13x Digital Zoom
- **Min. Illumination : 0.0002Lux (DSS On, B/W)**
- OSD, AWB, AGC, BLC
- **Motion Detection, Privacy Zone, Eclipse**
- RS-485(Pelco-D) Interface
- 3-Axis Movement for Free Lens Rotation
- Vandal-Resistant Dome Housing
- Dual (Surface/Flush) Mount, 12VDC
- (Option) Built-in Heater

Avail. in optional models

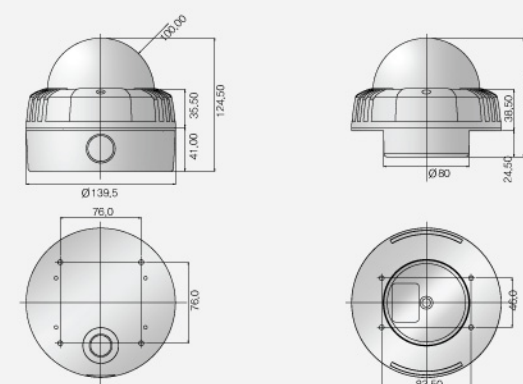
- **VCB-34VF / VCB-35VF** : 24VAC/12VDC Dual Voltage

Accessories (Order Separately)

- **WDB202** : Wall Mount Bracket
- **PDB102** : Pendant Mount Bracket



Dimension



Specification

Model	VCB-30VF	VCB-31VF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625kHz
Scanning Frequency(V)	59.94 Hz	50Hz
Image Sensor	1/3" Double Scan CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	580 TV Lines (BW 650 TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 52dB (AGC off, BW mode)	
Digital Zoom Ratio	6.13x	
Lens	DC Iris Vari-focal Lens (f=2.8~10.5mm)	
WDR (Wide Dynamic Range)	Up to 72dB (Low / Middle / High)	
Day & Night System	ICR(AGC Type)	
Night Burst	On/Off	
Digital Slow Shutter	Off/ 2x~128x Field	
Min. Illumination	0.1 Lux, 0.0002 Lux(DSS On, B/W), F1.2, 30IRE	
3D-DNR	Level (0~63)	
OSD	ENG / KOR / RSN / CHN / SPN / FRN	
White Balance	ATW / ANTI-ROL / PUSH / Manual	
AGC	Off / Low / Middle / High	
Brightness	0~100	
BLC	Low / Middle / High	
Eclipse	On/Off (16 Zones)	
Privacy Zone	On/Off (8 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Gamma Mode	CRT / LCD	
D-Effect	V-Flip / Mirror / Rotate	
Sharpness	1 ~ 100	
Stabilizer	On / Off	
Communication	RS-485 (4800, 9600, 19200, 38400, 57600)	
Electronic Shutter Speed	1/60~1/90,000 sec	1/50~1/90,000 sec
Power Voltage	12VDC (+10% ~20%)	
Power Consumption	Max. 4.8W / 400mA	
Dimensions	Surface : 100.0(Ø) x 124.5(H) mm / Flush : 100.0(Ø) x 111.0(H) mm	
Weight (Net)	Approx. 1210g	

VCB-20VF / VCB-21VF

Vandal-Resistant Dome Camera

BLUE-i



FEATURES

- 1/3" High Sensitivity CCD
- High Resolution : 580 TV Lines
- Built-in DC Iris Vari-focal Lens(f=2.8~10.5mm)
- **XWDR (Wide Dynamic Range)**
- Digital Slow Shutter 2x~128x Field (DSS)
- TDN(ICR), 6.13x Digital Zoom
- **Min. Illumination : 0.0002Lux (DSS On, B/W)**
- OSD, AWB, AGC, BLC
- **Motion Detection, Privacy Zone, Eclipse**
- RS-485(Pelco-D) Interface
- 3-Axis Movement for Free Lens Rotation
- Vandal-Resistant Dome Housing
- Dual (Surface/Flush) Mount, 12VDC
- (Option) Built-in Heater

Avail. in optional models

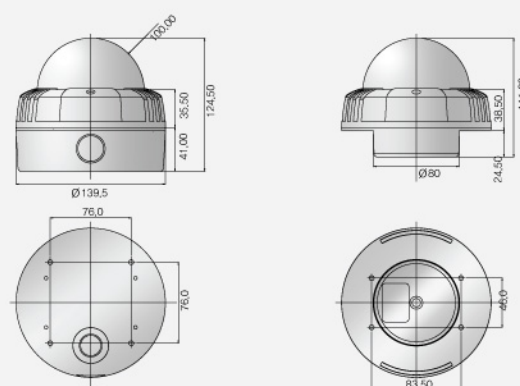
- VCB-24VF / VCB-25VF : 24VAC/12VDC Dual Voltage

Accessories (Order Separately)

- WDB202 : Wall Mount Bracket
- PDB102 : Pendant Mount Bracket



Dimension



Specification

Model	VCB-20VF	VCB-21VF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625kHz
Scanning Frequency(V)	59.94 Hz	50Hz
Image Sensor	1/3" High Sensitivity CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	580 TV Lines (BW 650 TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 52dB (AGC off, BW mode)	
Digital Zoom Ratio	6.13x	
Lens	DC Iris Vari-focal Lens (f=2.8~10.5mm)	
WDR (Wide Dynamic Range)	Up to 60dB (Low / Middle / High)	
Day & Night System	ICR(AGC Type)	
Night Burst	On/Off	
Digital Slow Shutter	Off / 2x~128x Field	
Min. Illumination	0.05 Lux, 0.0002 Lux(DSS On, B/W), F1.2, 30IRE	
3D-DNR	Level (0~63)	
OSD	ENG / KOR / RSN / CHN / SPN / FRN	
White Balance	ATW / ANTH-ROL / PUSH / Manual	
AGC	Off / Low / Middle / High	
Brightness	0~100	
BLC	Low / Middle / High	
Eclipse	On/Off (16 Zones)	
Privacy Zone	On/Off (8 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Gamma Mode	CRT / LCD	
D-Effect	V-Flip / Mirror / Rotate	
Sharpness	1 ~ 100	
Stabilizer	On / Off	
Communication	RS-485 (4800, 9600, 19200, 38400, 57600)	
Electronic Shutter Speed	1/60~1/90,000 sec	1/50~1/90,000 sec
Power Voltage	12VDC (+10% ~-20%)	
Power Consumption	Max. 4.8W / 400mA	
Dimensions	Surface : 100.0(Ø) x 124.5(H) mm / Flush : 100.0(Ø) x 111.0(H) mm	
Weight (Net)	Approx. 1210g	

V2662NVF / V2662PVF

Vandal-Resistant Dome Camera

FEATURES

- 1/3" PIXIM DPS Sensor
- High Resolution 530 TV Lines
- **Ultra WDR (Ultra Wide Dynamic Range)**
- Built-in DC Iris Vari-focal Lens (f=2.9~10mm)
- TDN(ICR), Digital Slow Shutter 2x~32x
- Min. Illumination : 0.04 Lux (DSS On)
- OSD, Auto White Balance, Privacy Zone
- AGC (Auto), BLC (Zone Selectable)
- Auto-FFF (Fluorescent Flicker Free)
- SDNR, Electronic Sensitivity-up (DSS)
- 3-Axis Movement for Free Lens Rotation
- RS-485(Pelco-D) Interface
- Vandal-Resistant Dome Housing
- Dual(Surface/Flush) Mount, 12VDC
- (Option) Built-in Heater



Avail. in optional models

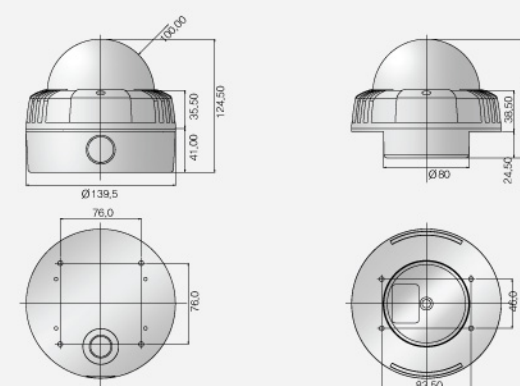
- V2667NVF / V2667PVF : 24VAC/12VDC Dual Voltage
- V2667NVD / V2667PVD : Varifocal Lens(4~9mm), without TDN(ICR)
24VAC/12VDC Dual Voltage
- V2662NVD / V2662PVD : Varifocal Lens(4~9mm), without TDN(ICR)

Accessories (Order Separately)

- WDB202 : Wall Mount Bracket
- PDB102 : Pendant Mount Bracket



Dimension



Specification

Model	V2662NVF	V2662PVF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/3" PIXIM DPS Sensor	
Sync. System	Internal	
Total Pixels Number	742(H) x 554(V)	
Effective Pixels Number	720(H) x 540(V)	
Horizontal Resolution	530 TV Lines	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 50dB (AGC off)	
Lens	Built-in DC Iris Vari-focal Lens (f=2.9~10mm)	
Min. Illumination	0.2 Lux (F1.2, BW), 0.04 Lux (DSS On), F1.2, 30IRE	
Ultra Wide Dynamic Range	102dB (Typical) / 120dB (Max)	
Day & Night System	TDN(ICR)	
Digital Noise Reduction (SDNR)	On/Off	
White Balance	ATW Desat(2,000°K~11,000°K) / AWC / MANUAL	
AGC	Auto / Zone Selectable	
BLC	Auto / Zone Selectable	
Flickerless	Auto-FFF On/Off	
Digital Slow Shutter	Off / 2x ~ 32x	
OSD Menu	On/Off	
Sharpness Control	Level Adjustable	
Privacy Zone	On/Off (12 Programmable)	
Electronic Shutter Speed	1/60~1/30,720sec	1/30~1/30,720 sec.
Operating Temperature	-10°C ~ +50°C	
Power Voltage	12VDC (10V~15V)	
Power Consumption	Max. 2.8W / 230mA	
Dimensions (Approx.)	Surface : 100.0(Ø) x 124.5(H) mm / Flush : 100.0(Ø) x 111.0(H) mm	
Weight (Net)	Approx. 1210g	

VBM-20VF / VBM-21VF

Vandal-Resistant Dome Camera

MONALISA



FEATURES

- 1/3" High Sensitivity CCD
- **Ultra High Resolution : 600 TV Lines (BW 650TV Lines)**
- Built-in DC Iris Vari-focal Lens(f=2.8~10.5mm)
- TDN(ICR)
- **Min. Illumination : 0.01Lux (B/W)**
- OSD, Auto White Balance
- AGC, SBLC, Flickerless
- **Motion Detection, Privacy Zone, Mirror Function**
- 3-Axis Movement for Free Lens Rotation
- Vandal-Resistant Dome Housing
- (Option) RS-485(Pelco-D, CNB) Interface, Built-in Heater
- 12VDC

Avail. in optional models

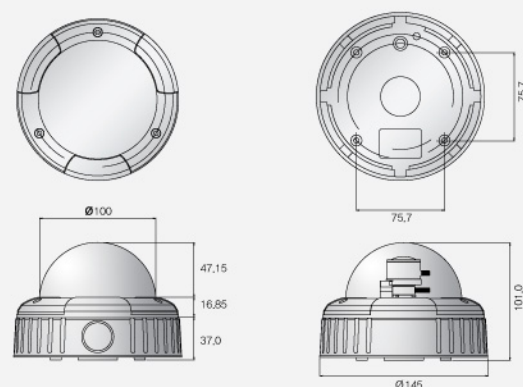
- **VBM-24VF / VBM-25VF** : 24VAC/12VDC Dual Voltage
- **VBM-24VD / VBM-25VD** : Varifocal Lens(4~9mm), without TDN(ICR)
24VAC/12VDC Dual Voltage
- **VBM-20VD / VBM-21VD** : Varifocal Lens(4~9mm), without TDN(ICR)

Accessories (Order Separately)

- **WDB201** : Wall Mount Bracket
- **PDB101** : Pendant Mount Bracket



Dimension



Specification

Model	VBM-20VF	VBM-21VF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734KHz	15.625KHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/3" High Sensitivity CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	600 TV Lines (BW 650TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 50dB (AGC off)	
Lens	DC Iris Vari-focal Lens (f=2.8~10.5mm)	
Min. Illumination	0.1 Lux (Color), 0.01 Lux (B/W), F1.2, 30IRE	
Day & Night System	ICR(AGC Type)	
Digital Noise Reduction(SDNR)	Low, Middle, High, Off	
White Balance	ATW, Manual, Push	
AGC	On/Off	
SBLC	Off, Low, Middle, High	
Flickerless	On/Off	
OSD Menu	English, Chinese	
Mirror Function	Horizontal	
Privacy Zone	On/Off (4 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Electronic Shutter Speed	1/60~1/120,000 Sec	1/50~1/120,000 Sec
Manual Shutter Speed	1/60, 1/250, 1/700, 1/1K, 1/1.6K, 1/2.5K, 1/5K, 1/7K, 1/10K, 1/30K, 1/60K, 1/120K	1/50, 1/250, 1/700, 1/1K, 1/1.6K, 1/2.5K, 1/5K, 1/7K, 1/10K, 1/30K, 1/60K, 1/120K
Power Voltage	12VDC (10V~15V)	
Power Consumption	Max. 2.2W/180mA	
Dimensions	100.0(Ø) x 101.0(H) mm	
Weight (Net)	Approx. 844g	

VBB-30VF / VBB-31VF

Vandal-Resistant Dome Camera

BLUE-i



FEATURES

- 1/3" Double Scan CCD
- High Resolution : 580 TV Lines
- Built-in DC Iris Vari-focal Lens(f=2.8~10.5mm)
- **WDR (Wide Dynamic Range)**
- Digital Slow Shutter 2x~128x Field (DSS)
- TDN(ICR), 6.13x Digital Zoom
- **Min. Illumination : 0.0002Lux (DSS On, B/W)**
- OSD, AWB, AGC, BLC
- **Motion Detection, Privacy Zone, Eclipse**
- RS-485(Pelco-D) Interface
- 3-Axis Movement for Free Lens Rotation
- Vandal-Resistant Dome Housing
- (Option) Built-in Heater
- 12VDC

Avail. in optional models

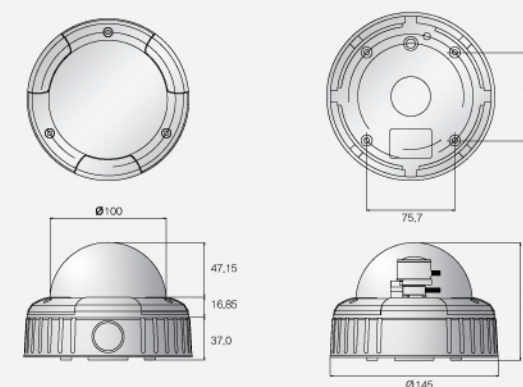
- **VBB-34VF / VBB-35VF** : 24VAC/12VDC Dual Voltage

Accessories (Order Separately)

- **WDB201** : Wall Mount Bracket
- **PDB101** : Pendant Mount Bracket



Dimension



Specification

Model	VBB-30VF	VBB-31VF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625KHz
Scanning Frequency(V)	59.94 Hz	50Hz
Image Sensor	1/3" Double Scan CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	580 TV Lines (BW 650 TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 52dB (AGC off, BW mode)	
Digital Zoom Ratio	6.13x	
Lens	DC Iris Vari-focal Lens (f=2.8~10.5mm)	
WDR (Wide Dynamic Range)	Up to 72dB (Low / Middle / High)	
Day & Night System	ICR/AGC Type	
Night Burst	On/Off	
Digital Slow Shutter	Off/ 2x~128x Field	
Min. Illumination	0.1 Lux / 0.0002 Lux(DSS On, B/W), F1.32, 30IRE	
3D-DNR	Level (0~63)	
OSD	ENG / KOR / RSN / CHN / SPN / FRN	
White Balance	ATW / ANTI-ROL / PUSH / Manual	
AGC	Off / Low / Middle / High	
Brightness	0~100	
BLC	Low / Middle / High	
Eclipse	On/Off (16 Zones)	
Privacy Zone	On/Off (8 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Gamma Mode	CRT / LCD	
D-Effect	V-Flip / Mirror / Rotate	
Sharpness	1 ~ 100	
Stabilizer	On / Off	
Communication	RS-485 (4800, 9600, 19200, 38400, 57600)	
Electronic Shutter Speed	1/60~1/90,000 sec	1/50~1/90,000 sec
Power Voltage	12VDC (+10% -20%)	
Power Consumption	Max. 4.8W / 400mA	
Dimensions	100.0(Ø) x 101.0(H) mm	
Weight (Net)	Approx. 844g	

VBB-20VF / VBB-21VF

Vandal-Resistant Dome Camera

BLUE-i



FEATURES

- 1/3" High Sensitivity CCD
- High Resolution : 560 TV Lines
- Built-in DC Iris Vari-focal Lens(f=2.8~10.5mm)
- **XWDR (Wide Dynamic Range)**
- Digital Slow Shutter 2x~160x Field (DSS)
- TDN(ICR)
- **Min. Illumination : 0.0003 Lux (DSS On)**
- OSD, Auto White Balance, 16x Digital Zoom
- AGC(Auto), BLC(Zone Selectable)
- **Motion Detection, Privacy Zone**
- 3-Axis Movement for Free Lens Rotation
- RS-485(Pelco-D) Interface
- Vandal-Resistant Dome Housing, 12VDC
- (Option) Built-in Heater

Avail. in optional models

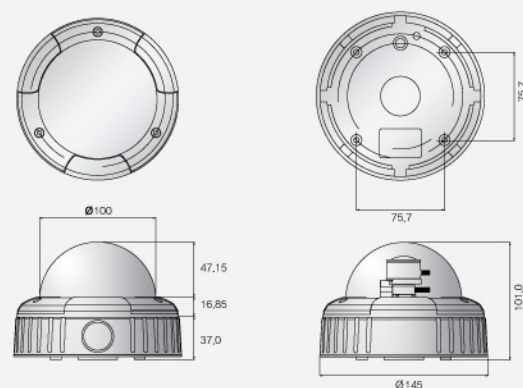
• VBB-20F / VBB-21F : 24VAC/12VDC Dual Voltage

Accessories (Order Separately)

- WDB201 : Wall Mount Bracket
- PDB101 : Pendant Mount Bracket



Dimension



Specification

Model	VBB-20VF	VBB-21VF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/3" High Sensitivity CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	580 TV Lines (BW 650TVL)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 52dB (AGC off, BW mode)	
Digital Zoom Ratio	16x	
Lens	DC Iris Vari-focal Lens (f=2.9~10mm, F1.2)	
WDR (Wide Dynamic Range)	Up to 60dB (Low / Middle / High)	
Min. Illumination	0.05 Lux, 0.0002 Lux(DSS On, B/W), F1.2, 30IRE	
3D-DNR	Level (0~63)	
Day & Night System	ICR(AGC Type)	
White Balance	ATW / ANTI-ROL / PUSH / Manual	
AGC	Off / Low / Middle / High	
BLC	Low / Middle / High	
Digital Slow Shutter	Off / 2x~128x Field	
OSD Menu	ENG / KOR / RSN / CHN / SPN / FRN	
Privacy Zone	On/Off (8 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Electronic Shutter Speed	1/60~1/90,000 sec	1/50~1/90,000 sec
Power Voltage	12VDC (10V~15V)	
Power Consumption	Max. 3W / 270mA	
Dimensions	100.0(Ø) x 101.0(H) mm	
Weight (Net)	Approx. 844g	

V1662NVF / V1662PVF

Vandal-Resistant Dome Camera

FEATURES

- 1/3" PIXIM DPS Sensor
- High Resolution 530 TV Lines
- **Ultra WDR (Ultra Wide Dynamic Range)**
- Built-in DC Iris Vari-focal Lens (f=2.9~10mm)
- TDN(ICR), Digital Slow Shutter 2x~32x
- **Min. Illumination : 0.04Lux (DSS On)**
- OSD, Auto White Balance, Privacy Zone
- AGC (Auto), BLC (Zone Selectable)
- Auto-FFF (Fluorescent Flicker Free), SDNR
- 3-Axis Movement for Free Lens Rotation
- RS-485(Pelco-D) Interface
- Vandal-Resistant Dome Housing, 12VDC
- (Option) Built-in Heater

Avail. in optional models

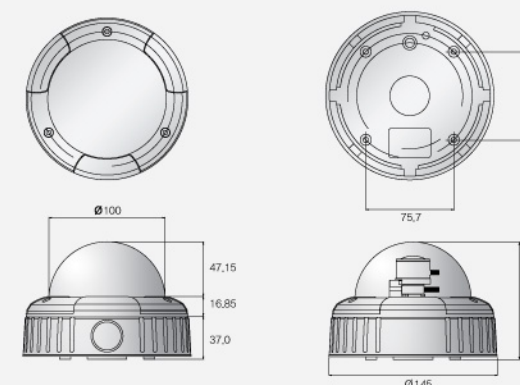
- V1667NVF / V1667PVF : 24VAC/12VDC Dual Voltage
- V1667NVD / V1667PVD : Varifocal Lens(4~9mm), without TDN(ICR)
24VAC/12VDC Dual Voltage
- V1662NVD / V1662PVD : Varifocal Lens(4~9mm), without TDN(ICR)

Accessories (Order Separately)

- WDB201 : Wall Mount Bracket
- PDB101 : Pendant Mount Bracket



Dimension



Specification

Model	V1662NVF	V1662PVF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/3" PIXIM DPS Sensor	
Sync. System	Internal	
Total Pixels Number	742(H) x 554(V)	
Effective Pixels Number	720(H) x 540(V)	
Horizontal Resolution	530 TV Lines	
Video Output Level	1.0Vp-p (75Ω, composite)	
S/N Ratio	More than 50dB (AGC off)	
Lens	Built-in DC Iris Vari-focal Lens (f=2.9~10mm)	
Min. Illumination	0.2 Lux (F1.2, BW), 0.04 Lux (DSS On), F1.2, 30IRE	
Ultra Wide Dynamic Range	102dB (Typical) / 120dB (Max)	
Day & Night System	TDN(ICR)	
Digital Noise Reduction (SDNR)	On/Off	
White Balance	ATW Desat(2,000°K~11,000°K) / AWC / MANUAL	
AGC	Auto / Zone Selectable	
BLC	Auto / Zone Selectable	
Flickerless	Auto-FFF On/Off	
Digital Slow Shutter	Off / 2x ~ 32x	
OSD Menu	On/Off	
Sharpness Control	Level Adjustable	
Privacy Zone	On/Off (12 Programmable)	
Electronic Shutter Speed	1/60~1/30,720sec	1/30~1/30,720 sec.
Operating Temperature	-10°C ~ +50°C	
Power Voltage	12VDC (10V~15V)	
Power Consumption	Max. 2.8W / 230mA	
Dimensions (Approx.)	100.0(Ø) x 101.0(H) mm	
Weight (Net)	Approx. 844g	

VFL-20S / VFL-21S

Vandal-Resistant Dome Camera

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FEATURES

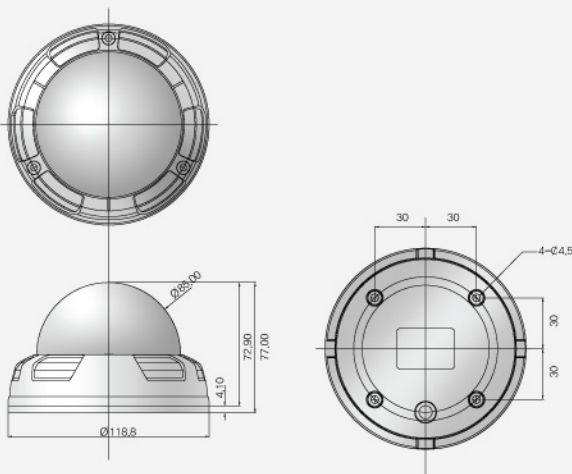
- 1/3" IT CCD
- High Resolution 600 TV Lines
- Built-in Fixed Lens (f=3.8mm)
- Auto White Balance
- AGC (On/Off)
- Min. Illumination : 0.1 Lux
- Vandal-Resistant Dome Housing
- 3-Axis Movement for Free Lens Rotation
- IP 65

Avail. in optional models

• VGM-20S / VGM-21S : Dual(Surface/Flush) Mount type



Dimension



Specification

Model	VFL-20S	VFL-21S
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/3" IT CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508 (V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494 (V) 380K	752(H) x 582 (V) 440K
Horizontal Resolution	600 TV Lines	
Video Output Level	1.0Vp-p (75Ω, Composite)	
S/N Ratio	More than 50dB (AGC Off)	
Lens	Built-in Fixed Lens (f=3.8mm)	
Min. Illumination	0.1 Lux, F1.2, 30IRE	
White Balance	Auto	
AGC	On/Off	
Electronic Shutter Speed	1/60 ~ 1/120,000 sec	1/50 ~ 1/120,000 sec
Power Voltage	DC 12V (9V ~ 15V)	
Power Consumption	Max.2.2W / 180mA	
Dimensions(Approx.)	85(Ø) x 77.0(H) mm	
Weight (Net)	Approx.376g	

Vandal-Resistant Dome Camera

MONALISA



VJL-20S / VJL-21S VKL-20S / VKL-21S

FEATURES

- 1/3" IT CCD
- Ultra High Resolution : 600 TV Lines (BW 650TV Lines)
- Fixed Lens(f=3.8mm)
- Min. Illumination : 0.05Lux
- Auto White Balance
- AGC, SBLC, Flickerless
- Polycarbonate dome & Aluminium housing
- 68mm Dome Size, 12VDC
- Surface Mount (VJL-20S/VJL-21S)
- Flush Mount (VKL-20S/VKL-21S)



MONALISA



VLL-20S / VLL-21S VML-20S / VML-21S

FEATURES

- 1/3" IT CCD
- Ultra High Resolution : 600 TV Lines (BW 650TV Lines)
- Fixed Lens(f=3.8mm)
- Min. Illumination : 0.05Lux
- Auto White Balance
- AGC, SBLC, Flickerless
- Polycarbonate dome & Aluminium housing
- 58mm Dome Size, 12VDC
- Surface Mount (VLL-20S/VLL-21S)
- Flush Mount (VML-20S/VML-21S)



DBM-20VF / DBM-21VF

General Dome Camera

MONALISA



FEATURES

- 1/3" High Sensitivity CCD
- **Ultra High Resolution : 600 TV Lines (BW 650TV Lines)**
- Built-in DC Iris Vari-focal Lens(f=2.8~10.5mm)
- TDN(ICR)
- **Min. Illumination : 0.01Lux (B/W)**
- OSD, Auto White Balance
- AGC, SBLC, Flickerless
- **Motion Detection, Privacy Zone, Mirror Function**
- 3-Axis Movement for Free Lens Rotation
- (Option) RS-485(Pelco-D, CNB) Interface
- 12VDC

Avail. in optional models

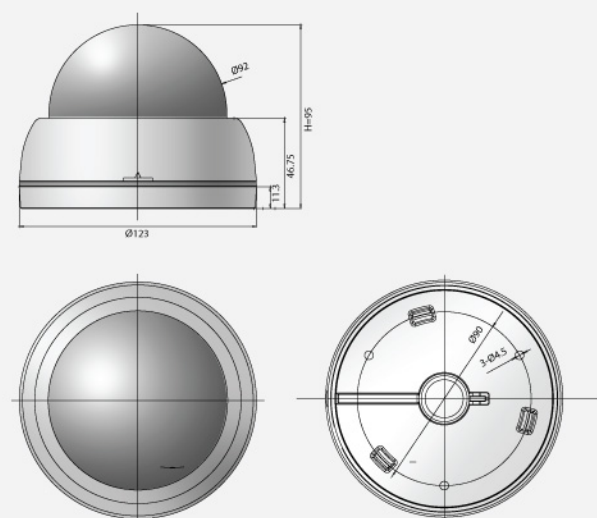
- **DBM-24VF / DBM-25VF** : 24VAC/12VDC Dual Voltage
- **DBM-24VD / DBM-25VD** : Varifocal Lens(4~9mm), without TDN(ICR)
- **DBM-20VD / DBM-21VD** : Varifocal Lens(4~9mm), without TDN(ICR)
- **DBM-20S / DBM-21S** : Fixed Lens(3.8mm), without TDN(ICR)

Accessories (Order Separately)

- **WDB203** : Wall Mount Bracket
- **PDB103** : Pendant Mount Bracket



Dimension



Specification

Model	DBM-20VF	DBM-21VF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/3" High Sensitivity CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582 (V) 440K
Horizontal Resolution	600 TV Lines (BW 650TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 50dB (AGC Off)	
Lens	DC Iris Vari-focal Lens (f=2.8~10.5mm)	
Min. Illumination	0.1 Lux (Color), 0.01 Lux (B/W), F1.2, 30IRE	
Day & Night System	ICR(AGC Type)	
Digital Noise Reduction (SDNR)	Low, Middle, High, Off	
White Balance	ATW, Manual, Push	
AGC	On/Off	
SBLC	Off, Low, Middle, High	
Flickerless	On/Off	
OSD Menu	English, Chinese	
Mirror Function	Horizontal	
Privacy Zone	On/Off (4 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Electronic Shutter Speed	1/60~1/120,000sec	1/50~1/120,000sec
Manual Shutter Speed	1/60, 1/250, 1/700, 1/1K, 1/1.6K, 1/2.5K, 1/5K, 1/7K, 1/10K, 1/30K, 1/60K, 1/120K	1/50, 1/250, 1/700, 1/1K, 1/1.6K, 1/2.5K, 1/5K, 1/7K, 1/10K, 1/30K, 1/60K, 1/120K
Power Voltage	12VDC (10V~15V)	
Power Consumption	Max. 2.2W / 180mA	
Dimensions	92(Ø) x 95(H) mm	
Weight (Net)	Approx. 366g	

DBB-30VF / DBB-31VF

General Dome Camera

BLUE-i



FEATURES

- 1/3" Double Scan CCD
- High Resolution : 580 TV Lines
- Built-in DC Iris Vari-focal Lens(f=2.8~10.5mm)
- **WDR (Wide Dynamic Range)**
- Digital Slow Shutter 2x~128x Field (DSS)
- TDN(ICR), 6.13x Digital Zoom
- **Min. Illumination : 0.0002 Lux (DSS On, B/W)**
- OSD, AWB, AGC, BLC
- **Motion Detection, Privacy Zone, Eclipse**
- 3-Axis Movement for Free Lens Rotation
- RS-485(Pelco-D) Interface
- 12VDC

Avail. in optional models

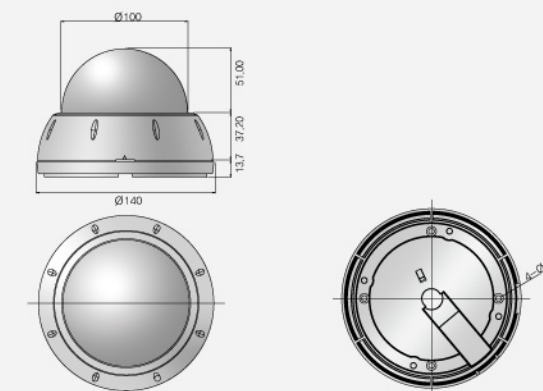
- **DBB-34VF / DBB-35VF** : 24VAC/12VDC Dual Voltage

Accessories (Order Separately)

- **WDB202** : Wall Mount Bracket
- **PDB102** : Pendant Mount Bracket



Dimension



Specification

Model	DBB-30VF	DBB-31VF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/3" Double Scan CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582 (V) 440K
Horizontal Resolution	580 TV Lines (BW 650 TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 52dB (AGC off, BW mode)	
Digital Zoom Ratio	6.13x	
Lens	DC Iris Vari-focal Lens (f=2.8~10.5mm)	
WDR (Wide Dynamic Range)	Up to 72dB (Low / Middle / High)	
Day & Night System	ICR(AGC Type)	
Night Burst	On/Off	
Digital Slow Shutter	Off/ 2x~128x Field	
Min. Illumination	0.1 Lux, 0.0002 Lux(DSS On, B/W), F1.2, 30IRE	
3D-DNR	Level (0~63)	
OSD	ENG / KOR / RSN / CHN / SPN / FRN	
White Balance	ATW / ANTI-ROL / PUSH / Manual	
AGC	Off / Low / Middle / High	
Brightness	0~100	
BLC	Low / Middle / High	
Eclipse	On/Off (16 Zones)	
Privacy Zone	On/Off (8 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Gamma Mode	CRT / LCD	
D-Effect	V-Flip / Mirror / Rotate	
Sharpness	1 ~ 100	
Stabilizer	On / Off	
Communication	RS-485 (4800, 9600, 19200, 38400, 57600)	
Electronic Shutter Speed	1/60~1/90,000sec	1/50~1/90,000sec
Power Voltage	12VDC (+10% -20%)	
Power Consumption	Max. 4.8W / 400mA	
Dimensions	100.0(Ø) x 102.0(H) mm	
Weight (Net)	Approx. 366g	

DBB-20VF / DBB-21VF

General Dome Camera

BLUE-i



FEATURES

- 1/3" High Sensitivity CCD
- High Resolution : 580 TV Lines
- Built-in DC Iris Vari-focal Lens(f=2.8~10.5mm)
- **XWDR (Wide Dynamic Range)**
- Electronic Sensitivity-up(DSS)
- TDN(ICR), **3D-DNR**
- **Min. Illumination : 0.0002 Lux (DSS On)**
- OSD, Auto White Balance, 6.13x Digital Zoom
- AGC, BLC, Flickerless
- **Motion Detection, Privacy Zone, Ecilpse**
- RS-485(Pelco-D) Interface
- 3-Axis Movement for Free Lens Rotation
- 12VDC

Avail. in optional models

- DBB-24F / DBB-25F : 24VAC/12VDC Dual Voltage

Specification

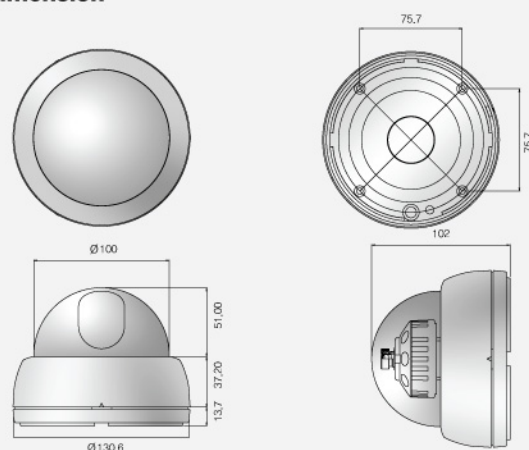
Model	DBB-20VF	DBB-21VF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625KHz
Scanning Frequency(V)	59.94 Hz	50Hz
Image Sensor	1/3" High Sensitivity CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	580 TV Lines (BW 650 TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 60dB (AGC off, BW mode)	
Digital Zoom Ratio	6.13x	
Lens	DC Iris Vari-focal Lens (f=2.8~10.5mm)	
WDR (Wide Dynamic Range)	Up to 60dB (Low / Middle / High)	
Day & Night System	ICR(AGC Type)	
Night Burst	On/Off	
Digital Slow Shutter	Off/ 2x~128x Field	
Min. Illumination	0.05 Lux / 0.0002 Lux(DSS On, B/W), F1.32, 30IRE	
3D-DNR	Level (0~63)	
OSD	ENG / KOR / RSN / CHN / SPN / FRN	
White Balance	ATW / ANTHROL / PUSH / Manual	
AGC	Off / Low / Middle / High	
Brightness	0~100	
BLC	Low / Middle / High	
Eclipse	On/Off (16 Zones)	
Privacy Zone	On/Off (8 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Gamma Mode	CRT / LCD	
D-Effect	V-Flip / Mirror / Rotate	
Sharpness	1 ~ 100	
Stabilizer	On / Off	
Communication	RS-485 (4800, 9600, 19200, 38400, 57600)	
Electronic Shutter Speed	1/60~1/90,000 sec	1/50~1/90,000 sec
Power Voltage	12VDC (+10% ~20%)	
Power Consumption	Max. 2.4W / 200mA	
Dimensions	100.0(Ø) x 139.8(W) x 102.1(H) mm	
Weight (Net)	Approx. 366g	

Accessories (Order Separately)

- WDB203 : Wall Mount Bracket
- PDB103 : Pendant Mount Bracket



Dimension



D2662NVF / D2662PVF

General Dome Camera

FEATURES

- 1/3" PIXIM DPS Sensor
- High Resolution 530 TV Lines
- **Ultra WDR (Ultra Wide Dynamic Range)**
- Built-in DC Iris Vari-focal Lens (f=2.8~10.5mm)
- Electronic Sensitivity-up (DSS)
- TDN(ICR)
- Digital Slow Shutter 2x~32x
- **Min. Illumination : 0.04 Lux (DSS On)**
- OSD, Auto White Balance, Privacy Zone
- AGC (Auto), BLC (Zone Selectable)
- Auto-FFF (Fluorescent Flicker Free)
- Super Digital Noise Reduction
- 3-Axis Movement for Free Lens Rotation
- RS-485(Pelco-D) Interface, 12VDC

Avail. in optional models

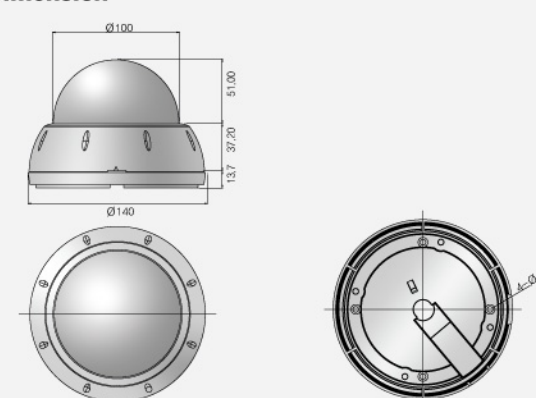
- D2667NVF / D2667PVF : 24VAC/12VDC Dual Voltage
- D2667NVD / D2667PVD : Varifocal Lens(4~9mm), 24VAC/12VDC Dual Voltage without TDN(ICR)
- D2662NVD / D2662PVD : Varifocal Lens(4~9mm), without TDN(ICR)

Accessories (Order Separately)

- WDB202 : Wall Mount Bracket
- PDB102 : Pendant Mount Bracket



Dimension



Specification

Model	D2662NVF	D2662PVF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734KHz	15.625KHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/3" PIXIM DPS Sensor	
Sync. System	Internal	
Total Pixels Number	742(H) x 554(V)	
Effective Pixels Number	720(H) x 540(V)	
Horizontal Resolution	530 TV Lines	
Video Output Level	1.0Vp-p (75Ω, Composite)	
S/N Ratio	More than 50dB (AGC Off)	
Lens	Built-in DC Iris Vari-focal Lens (f=2.8~10.5mm)	
Min. Illumination	0.2 Lux (F1.2, BW), 0.04 Lux (DSS On), F1.2, 30IRE	
Ultra Wide Dynamic Range	102dB (Typical) / 120dB (Max)	
Day & Night System	TDN(ICR)	
Digital Noise Reduction (SDNR)	On/Off	
White Balance	ATW Desat(2,000°K~11,000°K) / AWC / MANUAL	
AGC	Auto / Zone Selectable	
BLC	Auto / Zone Selectable	
Flickerless	Auto-FFF On/Off	
Digital Slow Shutter	Off / 2x ~ 32x	
OSD Menu	On/Off	
Sharpness Control	Level Adjustable	
Privacy Zone	On/Off (12 Programmable)	
Electronic Shutter Speed	1/60~1/30,720sec	1/30~1/30,720sec
Operating Temperature	-10°C ~ +50°C	
Power Voltage	12VDC (10V~15V)	
Power Consumption	Max. 2.2W / 180mA	
Dimensions	100.0(Ø) x 102.0(H) mm	
Weight (Net)	Approx. 366g	

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**DFL-20S / DFL-21S****FEATURES**

- 1/3" IT CCD
- **Ultra High Resolution : 600 TV Lines**
- Fixed Lens(f=3.8mm)
- **Min. Illumination : 0.05 Lux**
- Auto White Balance
- AGC, SBL, Flickerless
- 3-Axis Movement for Free Lens Rotation
- **85m Dome Size**
- 12VDC

MONALISA

**DJL-20S / DJL-21S****FEATURES**

- 1/3" IT CCD
- **Ultra High Resolution : 600 TV Lines**
- Fixed Lens(f=3.8mm)
- **Min. Illumination : 0.05 Lux**
- Auto White Balance
- AGC, SBL, Flickerless
- 3-Axis Movement for Free Lens Rotation
- **68m Dome Size**
- 12VDC

DKM-20VF / DKM-21VF

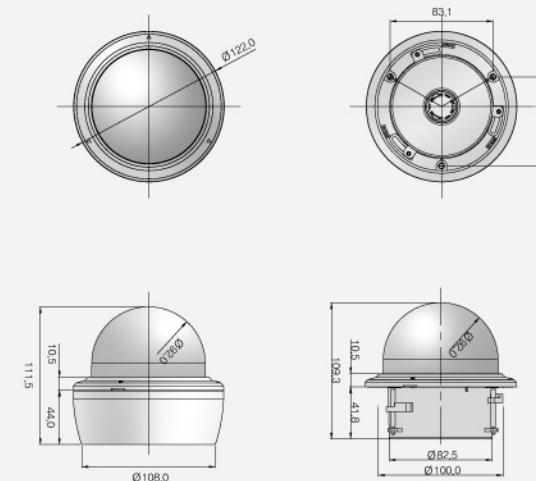
MONALISA

**FEATURES**

- 1/3" High Sensitivity CCD
- **Ultra High Resolution : 600 TV Lines (BW 650TV Lines)**
- Built-in DC Iris Vari-focal Lens (f=2.8~10.5mm)
- TDN (ICR)
- Min. Illumination : 0.01 Lux (B/W)
- OSD, Auto White Balance
- AGC, SBL, Flickerless
- **Motion Detection, Privacy Zone, Mirror Function**
- **Tilting Angle : 10°~90°**
- 3-Axis Movement for Free Lens Rotation
- (Option) RS-485(Pelco-D, CNB) Interface
- 12VDC

Avail. in optional models

- **DKM-24VF / DKM-25VF** : 24VAC/12VDC Dual Voltage
- **DKM-24VD / DKM-25VD** : Varifocal Lens(4~9mm), 24VAC/12VDC Dual Voltage, without TDN(ICR)
- **DKM-20VD / DKM-21VD** : Varifocal Lens(4~9mm), without TDN(ICR)
- **DKM-20S / DKM-21S** : 24VAC/12VDC Dual Voltage

**Dimension****Specification**

Model	DKM-20VF	DKM-21VF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/3" High Sensitivity CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582 (V) 440K
Horizontal Resolution	600 TV Lines (BW 650TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 50dB (AGC Off)	
Lens	DC Iris Vari-focal Lens (f=2.9~10.0mm)	
Min. Illumination	0.1 Lux (Color), 0.01 Lux (B/W), F1.2, 30IRE	
Day & Night System	ICR(AGC Type)	
Digital Noise Reduction (SDNR)	Low, Middle, High, Off	
White Balance	ATW, Manual, Push	
AGC	On/Off	
SBL	Off, Low, Middle, High	
Flickerless	On/Off	
OSD Menu	English, Chinese	
Mirror Function	Horizontal	
Privacy Zone	On/Off (4 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Tilting Angle	10°~90°	
Electronic Shutter Speed	1/60~1/120,000	1/50~1/120,000
Manual Shutter Speed	1/60, 1/250, 1/700, 1/1K, 1/1.6K, 1/2.5K, 1/5K, 1/7K, 1/10K, 1/30K, 1/60K, 1/120K	
Power Voltage	12VDC (10V~15V)	
Power Consumption	Max. 2.2W/180mA	
Dimensions	Surface : 92.0 x 111.5 mm / Flush : 92.0 x 109.3 mm	

MONALISA

**LBM-20VF / LBM-21VF****FEATURES**

- 1/3" High Sensitivity CCD
- High Resolution : 600 TV Lines
- Built-in DC Iris Vari-focal Lens (f=3.8~9.5mm)
- TDN(ICR), DNR
- [Intelligent IR Technology](#)
- [Built-in IR LEDs \(20EA\)](#)
- Min. Illumination : 0.00Lux (IR LED On)
- OSD, Auto White Balance
- AGC, SBLC, Flickerless
- [Motion Detection, Privacy Zone, Mirror Function](#)
- 3-Axis Movement for Free Lens Rotation
- Dome Size : 92mm, 12VDC

Accessories (Order Separately)

- WDB203 : Wall Mount Bracket
- PDB103 : Pendant Mount Bracket



MONALISA

**LBM-20S / LBM-21S****FEATURES**

- 1/3" IT CCD
- High Resolution : 600 TV Lines
- Built-in fixed Lens (f=3.8mm)
- DNR
- [Intelligent IR Technology](#)
- [Built-in IR LEDs \(28EA\)](#)
- Min. Illumination : 0.00 Lux (IR LED On)
- OSD, Auto White Balance
- AGC, BLC, Flickerless (On/Off)
- [Motion Detection, Privacy Zone, Mirror Function](#)
- 3-Axis Movement for Free Lens Rotation
- Dome Size : 92mm, 12VDC

Accessories (Order Separately)

- WDB203 : Wall Mount Bracket
- PDB103 : Pendant Mount Bracket



MONALISA

**LDM-20VF / LDM-21VF****FEATURES**

- 1/3" High Sensitivity CCD
- High Resolution : 600 TV Lines
- Built-in DC Iris Vari-focal Lens (f=3.8~9.5mm)
- [Intelligent IR Technology](#)
- [Built-in IR LEDs \(20EA\)](#)
- TDN(ICR), DNR
- Min. Illumination : 0.00 Lux (IR LED On)
- OSD, AWB, AGC, SBLC, Flickerless
- [Motion Detection, Privacy Zone, Mirror Function](#)
- 3-Axis Movement for Free Lens Rotation
- Dual(Surface/Flush) Mount Type
- Dome Size : 92mm, 12VDC

Accessories (Order Separately)

- WDB202 : Wall Mount Bracket
- PDB102 : Pendant Mount Bracket



MONALISA

**LCM-20VF / LCM-21VF****FEATURES**

- 1/3" High Sensitivity CCD
- High Resolution : 600 TV Lines
- Built-in DC Iris Vari-focal Lens (f=3.8~9.5mm)
- [Intelligent IR Technology](#)
- [Built-in IR LEDs \(20EA\)](#)
- TDN(ICR), DNR
- Min. Illumination : 0.00 Lux (IR LED On)
- OSD, AWB, AGC, SBLC, Flickerless
- [Motion Detection, Privacy Zone, Mirror Function](#)
- 3-Axis Movement for Free Lens Rotation
- Dome Size : 92mm, 12VDC

Accessories (Order Separately)

- WDB201 : Wall Mount Bracket
- PDB101 : Pendant Mount Bracket



MONALISA

**LCM-20S / LCM-21S****FEATURES**

- 1/3" IT CCD
- High Resolution : 600 TV Lines
- Built-in Fixed Lens(f=3.8mm)
- Intelligent IR Technology
- Built-in IR LEDs (25EA)
- TDN(ICR)
- Min. Illumination : 0.00 Lux (IR LED On)
- ODS, Auto White Balance
- AGC, BLC, Flickerless
- Motion Detection, Privacy Zone, Mirror Function
- 3-Axis Movement for Free Lens Rotation
- Dome Size : 92mm, 12VDC

Accessories (Order Separately)

- WDB201 : Wall Mount Bracket
- PDB101 : Pendant Mount Bracket



MONALISA

**LPL-20S / LPL-21S****FEATURES**

- 1/3" IT CCD
- High Resolution : 600 TV Lines
- Built-in Fixed Lens(f=6mm)
- Intelligent IR Technology
- Built-in IR LEDs (25EA)
- Min. Illumination : 0.00 Lux (IR LED On)
- Auto White Balance
- AGC, SBLC
- 3-Axis Movement for Free Lens Rotation
- 70m Eye Ball Size
- Material: Polycarbonate

MONALISA

**LFM-20VF / LFM-21VF****FEATURES**

- 1/3" IT CCD
- Ultra High Resolution : 600 TV Lines
- Built-in DC Iris Vari-focal Lens (f=3.8~9.5mm)
- Intelligent IR Technology
- Min. Illumination : 0 Lux (IR LED On)
- Built-in IR LEDs (25EA)
- Eye Ball Size 96mm, 12VDC
- Vandal-Resistant Housing

Avail. in optional models

- LFL-20S / LFL-21S : Fixed Lens (6mm), Built-in IR LED(35EA)

Accessories (Order Separately)

- WDB203 : Wall Mount Bracket
- PDB103 : Pendant Mount Bracket



MONALISA

**LJL-20S / LJL-21S****FEATURES**

- 1/3" IT CCD
- High Resolution : 600 TV Lines
- Built-in Fixed Lens(f=6mm)
- Intelligent IR Technology
- Built-in IR LEDs (25EA)
- Min. Illumination : 0.00 Lux (IR LED On)
- Auto White Balance
- AGC, SBLC
- 3-Axis Movement for Free Lens Rotation
- 70m Eye Ball Size
- Vandal-Resistant Dome Housing

Accessories (Order Separately)

- WDB203 : Wall Mount Bracket
- PDB103 : Pendant Mount Bracket



MONALISA

**DDM-20VF / DDM-21VF****FEATURES**

- 1/3" High Sensitivity CCD
- Super-High Resolution : 600 TV Lines
- Built in Vari-focal Lens (2.9~10mm)
- **TDN(ICR)**
- Min. Illumination : 0.1Lux(B/W)
- AGC, BLC, Flickerless (On/Off)
- 3-Axis Movement for free Lens Rotation
- In-Ceiling Mount Type
- **Dome Size : 115mm, 12VDC**

MONALISA

**VDL-20S / VDL-21S****FEATURES**

- 1/3" IT CCD
- **Ultra High Resolution : 600 TV Lines (BW 650TV Lines)**
- Fixed Lens(f=3.8mm)
- **Min. Illumination : 0.05Lux**
- Auto White Balance
- AGC, SBLCL, Flickerless
- Vandal-Resistant Housing
- 55mm Dome Size, 12VDC

BM7563NIR / BM7563PIR**FEATURES**

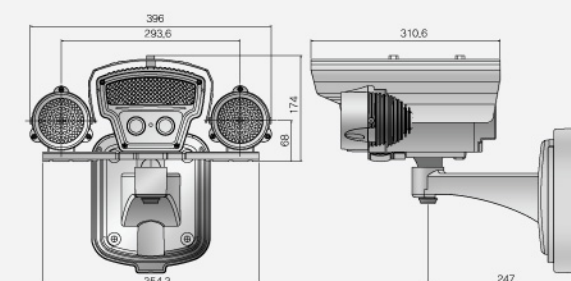
- 1/4" IT CCD
- 480TVL High Resolution
- **Max. 300x Zoom (30x Optical Zoom/10x Digital Zoom)**
- OSD, TDN(ICR)
- Digital Slow Shutter (DSS)
- AWB, AGC, BLC, Flickerless
- **Built-in Hybrid IR LEDs (18EA) & IR Illuminator LEDs (206EA) & Sensor 1EA**
- **IR Visible Range : Max. 100m**
- Extra Video-out port for Easier Installation
- **Built-in Fan & Heater**
- Cable Through Type Camera Bracket

Avail. in optional models

- **BE7813NCR / BE7813PCR** : 550TVL, Varifocal Lens (7.5~50mm), SDNR
- **BM7564NIR / BM7564PIR** : Design for Pan & Tilt Driver Without PTZ Driver & Controller

**Specification**

Model	BM7563NIR	BM7563PIR
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/4" IT CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	480 TV Lines	
Video Output Level	1.0Vp-p (75Ω, composite)	
S/N Ratio	More than 48dB (AGC Off)	
Lens	30x Optical Zoom (F 1.6(W), F3.2(T) f=3.3 ~ 99mm) Video AF	
Digital Zoom	10x Digital Zoom	
Min. Illumination	1Lux(Color), 0.5Lux(B/W), 0.001Lux (DSS 128FLD), 0.000Lux (IR LED ON), F1.2, 30IRE	
Day & Night System	Digital slow shutter(2~128FLD/Auto) / ICR(On/Off)	
IR LED & Sensor	Hybrid IR LEDs (18EA) and IR Illuminator LED (206EA) Sensor 1EA	
IR LED Lighting Distance	Max. 100m	
White Balance	On/Off	
AGC	On/Off	
BLC	On/Off	
Flickerless	On/Off	
OSD Menu	English	
IP Rating	IP65	
Electronic Shutter Speed	1/60~1/10,000	1/50~1/10,000
Operating Temperature	-10°C ~ +45°C / -30°C ~ +50°C (with Fan & Heater)	
Storage Temperature	-20°C ~ +65°C	
Power Voltage	12VDC (9V~13.2V)	
Power Consumption	Max. 49W / 4.1A	
Adaptor	Including 12VDC, 5A	
Dimensions (WxHxD)	396(W) x 351(H) x 440(D) mm	
Weight (Net)	Approx. 10kg	

Dimension

BD7660NVR / BD7660PVR

Weatherproof IR Camera



FEATURES

- 1/3" PIXIM DPS Sensor (Color)
- 1/3" IT CCD (BW)
- 530TVL(Color) & 600TVL(BW) High Resolution
- Dual DC Iris Varifocal Lens (3.8~9.5mm)
- Built-in IR LEDs (112EA) & Sensor 1EA
- IR Visible Range : Max. 60m
- Auto White Balance
- AGC/BLC/Flickerless (On/Off)
- DSS, OSD, Privacy Zone
- SDNR (Super Digital Noise Reduction)
- RS-485 (Pelco-D)
- Extra Video-out port for Easier Installation
- Built-in Fan & Heater
- Cable Through Type Camera Bracket

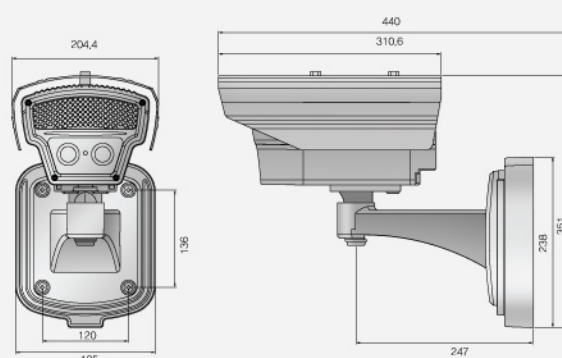
Avail. in optional models

• BD7310NVR / BD7310PVR : 550TVL(Color) & 600TVL(BW), without OSD

Specification

Model	BD7660NVR	BD7660PVR
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/3" PIXIM DPS Sensor(Color) & IT CCD(BW)	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	
Effective Pixels Number	768(H) x 494(V) 380K	
Horizontal Resolution	530 TV Lines (Color) & 600 TV Lines	
Video Output Level	1.0 Vp-p (75 Ohm, composite)	
S/N Ratio	Color: More than 50dB (AGC off) / BW: More than 46dB (AGC off)	
Lens	Dual DC Iris varifocal lens (f=3.8~9.5mm)	
Min. Illumination	0.08Lux(DSS On, BW), 0.00Lux(IR LED On), F1.2, 30IRE	
Ultra Wide Dynamic Range	102dB (Typical) / 120dB (Max.)	
IR LED & Sensor	IR LEDs 112EA (850nm 1.5"), Sensor 1EA	
IR LED Lighting Distance	Max. 60m	
Digital Slow Shutter	Off / 2x ~ 32x	
Digital Noise Reduction(SDNR)	On/Off	
White Balance	ATW(2000°K~11000°K) / AWC / MANUAL	
AGC	Auto / Zone Selectable	
BLC	Auto / Zone Selectable	
Flickerless	Auto-FFF On/Off	
OSD Menu	On/Off	
Privacy Zone	On/Off (12 Programmable)	
Electronic Shutter Speed	1/60 (30)~1/30,720 sec (Color), 1/60 (50)~1/100,000 sec (BW)	
Operating Temperature	-10°C~+45°C / -30°C~+50°C (with Fan & Heater)	
Storage Temperature	-20°C~+65°C	
Power Voltage	12VDC (9.6~13.2VDC)	
Power Consumption	Max. 30W / 2.5A	
Adaptor	Including 12VDC, 5A	
Dimensions (WxHxD)	204.4(W) x 351(H) x 440(D)mm	
Weight (Net)	Approx. 8kg	

Dimension



WFM-24VF / WFM-25VF

Weatherproof IR Camera

MONALISA



FEATURES

- 1/3" High Sensitivity CCD
- High Resolution (600 TV Lines)
- Built-in DC Iris Varifocal Lens (2.9~10.0mm)
- Built-in IR LEDs (63EA)
- Intelligent IR Technology
- IR Visible Range : 50m
- Min. Illumination : 0.00Lux (IR LED On)
- Built-in Fan & Heater
- External Adjustment (Tele/Wide, Near/Far)
- Cable Back-Through Bracket
- Weather Proof Housing
- 24VAC/12VDC Dual Voltage
- IP 65

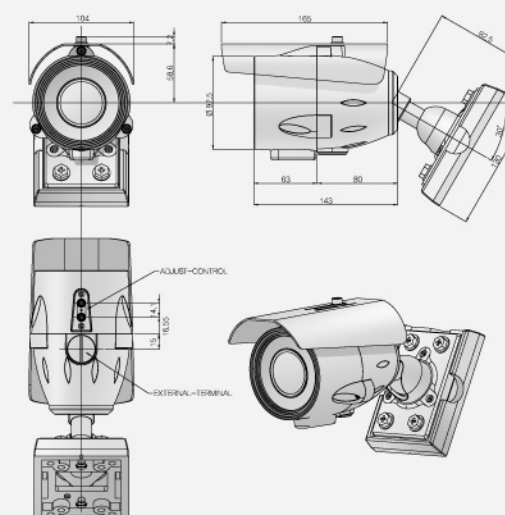


Avail. in optional models

- WFL-20S / WFL-21S : Fixed Lens
- WFL-10S / WFL-11S : 420TVL, Fixed Lens



Dimension



Specification

Model	WFM-24VF	WFM-25VF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734kHz	15.625kHz
Scanning Frequency(V)	59.94Hz	50Hz
Image Sensor	1/3" High Sensitivity CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	600 TV lines	
Video Output Level	1.0 Vp-p (75Ω, composite)	
S/N Ratio	More than 50dB (AGC off)	
Lens	DC Iris Varifocal Lens (f=2.9~10.0mm)	
Angle of View	f=6mm, 60°	
Min. Illumination	Day (0.05Lux), Night (0.00Lux, IR LED On), F1.2, 30IRE	
White Balance	Auto	
AGC	On/Off	
IR LED & Sensor	850nm IR LED 63EA, Intelligent IR Technology	
IR LED Lighting Distance	Max. 50m	
Input/Output Connector	Power input(red jack), Video output(yellow jack)	
Electronic Shutter Speed	1/60~1/20,000sec	1/50~1/20,000sec
Power Voltage	24VAC(24V~28V) / 12V DC (11V~15V) Dual Voltage	
Dimensions	92.5(Ø) x 104(W) x 165(D)mm	
Weight (Net)	Approx. 1.5Kg	

WHB-20CS / WHB-21CS

Weatherproof IR Camera

BLUE-i



FEATURES

- 1/3" High Sensitivity CCD
- High Resolution : 580 TV Lines
- DC Iris Varifocal Lens (7.5~50mm)
- XWDR (Wide Dynamic Range)
- Digital Slow Shutter 2x~128x Field (DSS)
- Intelligent IR Technology
- Built-in IR LEDs (206EA)
- IR Visible Range : Max. 80m
- 3D-DNR, 6.13x Digital Zoom
- Motion Detection, Privacy Zone, Eclipse
- Built-in Fan & Heater
- Cable Through Type Camera Bracket
- 12VDC

Avail. in optional models

- BM5562NIR / BM5562PIR : Max. 300 Zoom (30x Optical/10x Digital), TDN(ICR), DSS, OSD
- BM5563NIR / BM5563PIR : Design for Pan & Tilt Driver Without PTZ Driver & Controller

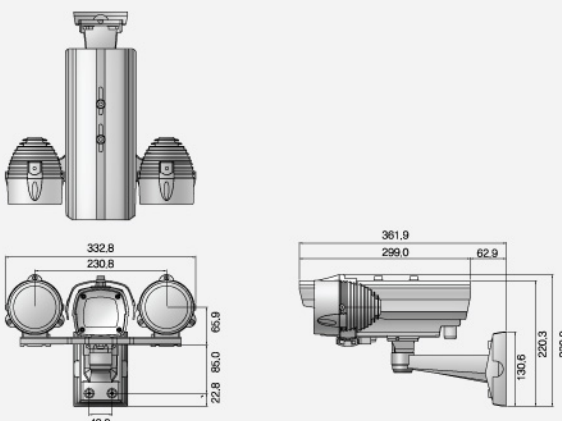


Accessories (Order Separately)

- BJB1000 : AC Power Junction Box



Dimension



Specification

Model	WHB-20CS	WHB-21CS
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625kHz
Scanning Frequency(V)	59.94 Hz	50Hz
Image Sensor	1/3" Double Scan CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	580 TV Lines (BW 650 TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 52dB (AGC off, BW mode)	
Digital Zoom Ratio	6.13x	
IR LED & Sensor	IR LEDs 206EA (850nm 15"), Sensor 1EA	
IR LED Lighting Distance	Over 80m	
WDR (Wide Dynamic Range)	Up to 60dB (Low / Middle / High)	
Day & Night System	ICR(AGC Type)	
Night Burst	On/Off	
Digital Slow Shutter	Off/ 2x~128x Field	
Min. Illumination	0.05 Lux(Color), 0.0002 Lux(DSS On, B&W), F1.2, 30IRE	
3D-DNR	Level (0~63)	
OSD	ENG / KOR / RSN / CHN / SPN / FRN	
White Balance	ATW / ANTI-ROL / PUSH / Manual	
AGC	Off / Low / Middle / High	
Brightness	0~100	
BLC	Low / Middle / High	
Eclipse	On/Off (16 Zones)	
Privacy Zone	On/Off (8 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Gamma Mode	CRT / LCD	
D-Effect	V-Flip / Mirror / Rotate	
Sharpness	1 ~ 100	
Stabilizer	On / Off	
Communication	RS-485 (4800, 9600, 19200, 38400, 57600)	
Electronic Shutter Speed	1/60~1/90,000 sec	1/50~1/90,000 sec
Operating Temperature	-10°C~+45°C / -30°C~+50°C (with Fan & Heater)	
Storage Temperature	-20°C~+65°C	
Power Voltage	12VDC (+10% -20%)	
Power Consumption	Max. 30W / 2.5A	
Dimensions	332.8(W) x 230.9(H) x 361.9(D)mm	
Weight (Net)	Approx. 4kg	

WGB-20CS / WGB-21CS

Weatherproof IR Camera

BLUE-i



FEATURES

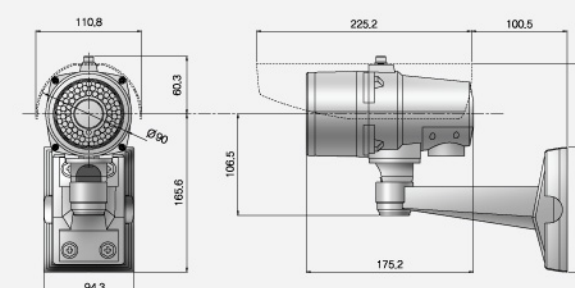
- 1/3" High Sensitivity CCD
- High Resolution : 580 TV Lines
- DC Iris Varifocal Lens (7.5~50mm)
- XWDR (Wide Dynamic Range)
- TDN(ICR)
- SDNR (Super Digital Noise Reduction)
- Digital Slow Shutter 2x~128x Field (DSS)
- Intelligent IR Technology
- Built-in IR LEDs (9EA)
- IR Visible Range : Max. 60m
- 3D-DNR, 6.13x Digital Zoom
- Built-in Fan & Heater
- Cable Through Type Camera Bracket
- 12VDC

Accessories (Order Separately)

- BJB1000 : AC Power Junction Box



Dimension



Specification

Model	WGB-20CS	WGB-21CS
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625kHz
Scanning Frequency(V)	59.94 Hz	50Hz
Image Sensor	1/3" High Sensitivity CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	580 TV Lines (BW 650 TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 52dB (AGC off, BW mode)	
Digital Zoom Ratio	6.13x	
IR LED & Sensor	Hybrid IR LEDs 9EA (850nm, 15"), Sensor 1EA	
IR LED Lighting Distance	Max. 60m	
WDR (Wide Dynamic Range)	Up to 60dB (Low / Middle / High)	
Day & Night System	ICR(AGC Type)	
Night Burst	On/Off	
Digital Slow Shutter	Off/ 2x~128x Field	
Min. Illumination	0.05 Lux(Color), 0.0002 Lux(DSS On, B&W), F1.2, 30IRE	
3D-DNR	Level (0~63)	
OSD	ENG / KOR / RSN / CHN / SPN / FRN	
White Balance	ATW / ANTI-ROL / PUSH / Manual	
AGC	Off / Low / Middle / High	
Brightness	0~100	
BLC	Low / Middle / High	
Eclipse	On/Off (16 Zones)	
Privacy Zone	On/Off (8 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Gamma Mode	CRT / LCD	
D-Effect	V-Flip / Mirror / Rotate	
Sharpness	1 ~ 100	
Stabilizer	On / Off	
Communication	RS-485 (4800, 9600, 19200, 38400, 57600)	
Electronic Shutter Speed	1/60~1/90,000 sec	1/50~1/90,000 sec
Operating Temperature	-10°C~+45°C / -30°C~+50°C (with Fan & Heater)	
Storage Temperature	-20°C~+65°C	
Power Voltage	12VDC (11~15VDC)	
Power Consumption	Max. 18W / 1.5A	
Dimensions	110.8(W) x 218.6(H) x 325.7(D)mm	
Weight (Net)	Approx. 1.6kg	

WDB-24VF / WDB-25VF

Weatherproof IR Camera

BLUE-i



FEATURES

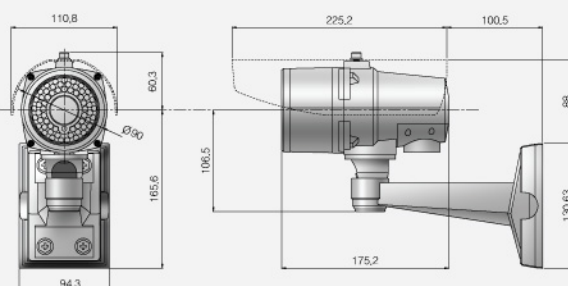
- 1/3" High Sensitivity CCD
- High Resolution : 580 TV Lines
- DC Iris Varifocal Lens (3.8~9.5mm)
- XWDR (Wide Dynamic Range)
- TDN(ICR), 3D-DNR, 6.13x Digital Zoom
- External (Zoom / Focus, Near / Far) Adjustment
- Intelligent IR Technology
- Built-in IR LEDs (42EA), Max. 40m
- AWB, AGC, BLC, Flickerless
- Extra Video-out port for Easier Installation
- Built-in Fan & Heater
- Cable Through Type Camera Bracket
- 24VAC / 12VDC Dual Voltage

Accessories (Order Separately)

- BJB1000 : AC Power Junction Box



Dimension



Specification

Model	WDB-24VF	WDB-25VF
Signal System	NTSC	PAL
Scanning System	2:1 Interlace	
Scanning Frequency(H)	15.734 KHz	15.625kHz
Scanning Frequency(V)	59.94 Hz	50Hz
Image Sensor	1/3" High Sensitivity CCD	
Sync. System	Internal	
Total Pixels Number	811(H) x 508(V) 410K	795(H) x 596(V) 470K
Effective Pixels Number	768(H) x 494(V) 380K	752(H) x 582(V) 440K
Horizontal Resolution	580 TV Lines (BW 650 TV Lines)	
Video Output Level	1.0 Vp-p (75Ω, Composite)	
S/N Ratio	More than 52dB (AGC off, BW mode)	
Digital Zoom Ratio	6.13x	
IR LED & Sensor	IR LED 42EA (850nm 15", 30"), Sensor 1EA	
IR LED Lighting Distance	Max. 40m	
WDR (Wide Dynamic Range)	Up to 60dB (Low / Middle / High)	
Day & Night System	ICR(AGC Type)	
Night Burst	On/Off	
Digital Slow Shutter	Off/ 2x~128x Field	
Min. Illumination	0.05 Lux(Color), 0.0002 Lux(DSS On, B/W), F1.2, 30IRE	
3D-DNR	Level (0~63)	
OSD	ENG / KOR / RSN / CHN / SPN / FRN	
White Balance	ATW / ANTI-ROL / PUSH / Manual	
AGC	Off / Low / Middle / High	
Brightness	0~100	
BLC	Low / Middle / High	
Eclipse	On/Off (16 Zones)	
Privacy Zone	On/Off (8 Programmable Zone)	
Motion detection	On/Off (4 Programmable Zone)	
Gamma Mode	CRT / LCD	
D-Effect	V-Flip / Mirror / Rotate	
Sharpness	1 ~ 100	
Stabilizer	On / Off	
Communication	RS-485 (4800, 9600, 19200, 38400, 57600)	
Electronic Shutter Speed	1/60~1/90,000 sec	1/50~1/90,000 sec
Operating Temperature	-10°C~+45°C / -30°C~+50°C (with Fan & Heater)	
Storage Temperature	-20°C~+65°C	
Power Voltage	24VAC(24~28V)/12VDC(11~15V) Dual Voltage	
Power Consumption	Max. 9.6W / 0.8A	
Dimensions	83(Ø) x 218.6(H) mm	
Weight (Net)	Approx. 1.1kg	

Weatherproof IR Camera

MONALISA



WCM-20VF / WCM-21VF

FEATURES

- 1/3" High Sensitivity CCD
- Ultra High Resolution : 600 TV Lines
- Built-in DC Iris Vari-focal Lens(f=3.8~9.5mm)
- TDN(ICR), DNR
- Intelligent IR Technology
- Built-in IR LEDs (18EA)
- Min. Illumination : 0.00 Lux
- Auto White Balance
- 65mm in Diameter
- 12VDC

Avail. in optional models

- WCL-20S / WCL-21S : 600TVL, IR LEDs(36EA), Fixed Lens
- WCL-10S / WCL-11S : 420TVL, IR LEDs(36EA), Fixed Lens

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WBL-20S / WBL-21S

FEATURES

- 1/3" IT CCD
- Ultra High Resolution : 600 TV Lines
- Built-in Fixed Lens(f=3.8mm)
- Intelligent IR Technology
- Built-in IR LEDs (12EA)
- Min. Illumination : 0.00 Lux
- Auto White Balance
- 50mm in Diameter
- 12VDC

Avail. in optional models

- WBL-10S / WBL-11S : 420TVL, Fixed Lens



MIR1000

FEATURES

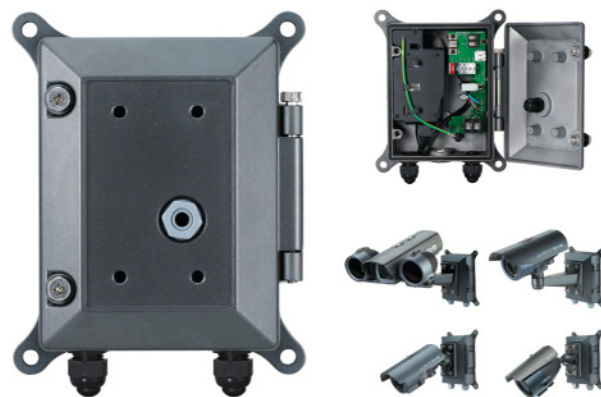
- Built-in IR LEDs (100EA, 850nm, 30")
- IR LED Lighting Distance : Max. 60m
- AUTO : Automatic ON/OFF by CDS Sensor
- EXT : Interlock ON/OFF with IR Camera (External equipment) by input cable
- Built in FAN
- 12VDC/ Max. 3A/16W (Incl. SMPS Adaptor)
- 108(W) x 134(H) x 135.4(D) , Approx. 750g
- Aluminum alloy housing
- IP66



MIR3000

FEATURES

- Built-in IR LEDs (100EA, 850nm, 15")
- IR LED Lighting Distance : Max. 80m
- AUTO : Automatic ON/OFF by CDS Sensor
- EXT : Interlock ON/OFF with IR Camera (External equipment) by input cable
- Built in FAN
- 12VDC/ Max. 3A/16W (Incl. SMPS Adaptor)
- 108(W) x 134(H) x 135.4(D) , Approx. 750g
- Aluminum alloy housing
- IP66



BJB1000

FEATURES

- AC Power Input : 100~240V, 1.0A Max. / 50~60Hz, 70~80VA
- DC Power Output : 12VDC 2.5A
- Dimensions (mm) : 160(w) x 198(H) x 58(D)
- Weight(Net) : Approx. 410g



A1568NLTP / A1568PLTP

FEATURES

- 1/4" IT CCD
- High Resolution : 480 TV Line
- Built-in Auto Focus/Auto Iris
- 30x Optical Power Zoom Lens
- 10x Digital Zoom (Max. 300x)
- TDN (ICR)
- On-screen Menu Control (OSD)
- RS-485 Interface (Pelco-D)
- Electronic Sensitivity-up(DSS)
- Built-in UTP Transmitter
- 24VAC/12VDC Dual Voltage



G1315NFTP / G1315PFTP

FEATURES

- 1/3" IT CCD
- Super High Resolution : 550 TV Lines
- TDN(ICR2)
- DIP SW (On/Off) : AGC, BLC, Flickerless
- Auto White Balance
- Min. Illumination : 0.1Lux (B/W)
- AC24V/DC12V Dual Voltage
- Built-in UTP Transmitter



D2315NIRTP / D2315PIRTP

FEATURES

- 1/3" IT CCD
- Built-in Fixed Lens (f=3.8mm)
- Super High Resolution : 550 TV Lines
- IR LEDs (24ea) & Sensor
- Min. Illuminaiton : 0.00Lux (IR LED on)
- AWB, AGC, BLC, Flickerless
- 3-Axis Movement for Free Lens Rotation
- 24VAC/12VDC Dual Voltage
- Built-in UTP Transmitter



V2315NVFTP / V2315PVFTP

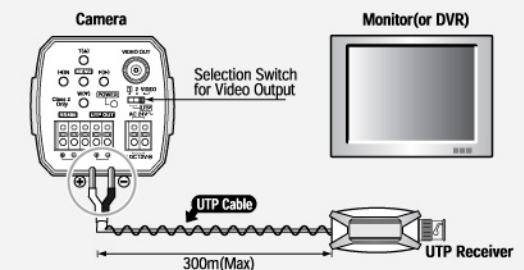
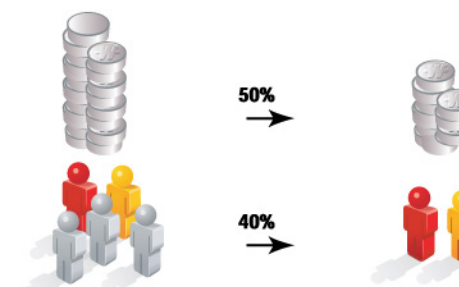
FEATURES

- 1/3" IT CCD
- Built-in DC Iris Vari-focal Lens (f=2.9~10mm)
- High Resolution : 550 TV Lines, TDN (ICR)
- Min. Illumination : 0.3 lux (Color), 0.1 lux (B/W)
- AGC, BLC, Flickerless On/Off
- Auto White Balance
- Dual(Surface/Flush) Mount Type
- 100mm Dome Size
- Extra Video out port for easier installation
- Built-in Heater (Option)
- Vandal-proof: polycarbonate dome & die casting housing
- 3-Axis Movement for Free Lens Rotation
- Built-in UTP Transmitter
- IP 65

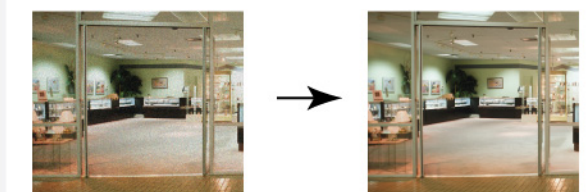
Benefits of CNB's UTP Camera

- Built-in UTP Transmitter
- Better interference rejection than coax
- UTP is less expensive than dedicated coax
- Physically smaller than coax
- Easier installation and reconfiguration

1. Easier installation & less expensive than dedicated coax



2. Minimizes the picture quality loss in long-distance transmission



Using Coaxial Cable

Using UTP Cable

UTP Transmission is useful in situations where runs longer than a couple of hundred meters have to be made.

MONALISA

**RBL-10S / RBL-20S**

(Vehicle Rear View Camera)

FEATURES

- 1/3" IT CCD
- Normal Resolution : 420 TV Lines
- Intelligent IR Technology
- Built-in IR LEDs (14EA)
- Built-in Fixed Lens (f=2.45mm, View Angle: 150°)
- Min. Illumination : 0.00 Lux (IR LED On)
- Audio & Mirror Function On/Off
- Body Color : White / Dark Gray
- IP67
- 12VDC

Avail. in optional models

- RV2750NIR / RV2750PIR
- Fixed Lens (2.7mm, View Angle: 130°)
- IR LEDs(6EA, Max.5m) & Sensor



MONALISA

**LML-20S / LML-21S**

(BusTop-Camera-For Vehicle)

FEATURES

- 1/3" IT CCD
- High Resolution : 600 TV Lines
- Built-in Fixed Lens (f=2.45mm), AWB, AGC
- Intelligent IR Technology
- Built-in IR LEDs (12EA), Max. 10m
- Mirror On/Off
- Built-in Audio Function

Avail. in optional models

- CN258IR / CP258IR : 380TVL

MONALISA

**DSL-20S / DSL-21S**

(Sensor-Camera)

FEATURES

- 1/3" IT CCD
- Normal Resolution : 530 TV Lines
- Min. Illumination : 0.3 Lux
- Fixed Lens (3.8mm)
- Auto White Balance
- AGC, BLC (On/Off)
- Smoke Detector Type

Avail. in optional models

- SD1760NA / SD1760PA : Audio Function
- SD1750NA / SD1750P : 380 TVL

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**LNL-20S / LNL-21S**

(Sensor-Camera)

FEATURES

- 1/3" IT CCD
- High Resolution : 600 TV Lines
- Built-in Fixed Lens (f=3.8mm)
- Intelligent IR Technology
- Built-in IR LEDs (12EA), Max. 10m
- AWB, AGC

Avail. in optional models

- SN258IR / SP258IR : 380TVL

MONALISA

**DQM-20VF / DQM-21VF****FEATURES**

- 1/3" High Sensitivity CCD
- Ultra High Resolution : 600 TV Lines (BW 650TV Lines)
- Built-in DC Iris Vari-focal Lens(f=2.8~10.5mm)
- TDN(ICR), DNR
- Min. Illumination : 0.01Lux (B/W)
- AGC, SBLC, Flickerless
- Motion Detection, Privacy Zone, Mirror Function
- 3-Axis Movement for Free Lens Rotation

Avail. in optional models

- DQM-20S / DQM-21S : Fixed Lens

MONALISA

**MBM-20VD / MBM-21VD****FEATURES**

- 1/3" IT CCD
- High Resolution : 600 TV Lines
- Built-in DC Iris Vari-focal Lens (f=4~9mm)
- Min. Illumination : 0.05 Lux
- Auto White Balance
- AGC, BLC, Flickerless (On/Off)
- ALC/ELC Selectable
- Fixed Lens, Pinhole Lens (Option)

Avail. in optional models

- MBL-20S / MBL-21S : 530TVL



SC3100

PTZ Controller



FEATURES

- Commanding up to 255 devices (Incl. PTZ Cameras)
- LCD Display (20x4 Character, Edit Company Logo)
- Multiple Protocol Supported in Each Channel
- Easily Operate function (Preset, Pattern, Swing, Group)
- RS-485 Communications (Remote control up to 1.2Km)
- Support to use up to 4 Slave Controller
- Support to Password setup of the administrator
- Support to HDx's DVR with RS-485
- Firmware Upgrade using RS-232(PC)
- Supports USB Mouse Function

Specification

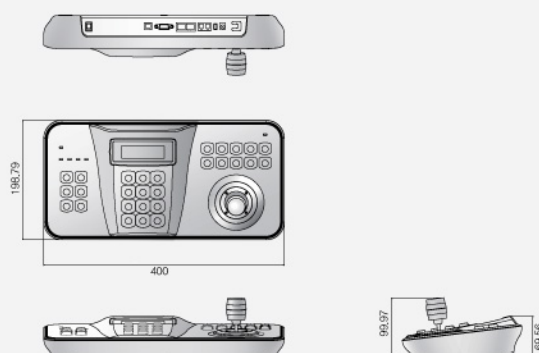
Model	SC3100
Communication Type	Par/Tilt Interface: RS-485 (Remote control up to 1.2km) DVR Interface : RS-485, USB USB : USB Mouse Function support Protocol: Pelco D, Pelco P, Samsung Elec, Panasonic, Samsung Techwin, bosch
LCD Display	20 x 4 Character LCD
PTZ Control	Joystick (3 Axis Twist Zoom)
Sub Keyboard	Max. 4 Devices (Including Master Keyboard)
RS-485 Specification	Type : Asynchronous Serial, 1 Start Bit, No Parity, 1 Stop Bit Transmission Type : Half Duplex Data Rate : 2400 ~ 38400 bps
RS-232 Specification	D-SUB 9P, Firmware Upgrade
Operation Voltage	12VDC / 9V Battery / USB(PC)
Power Consumption	120~150mA
Operating Temperature	-10°C ~ 50°C / 60%
Dimensions	400 (W) X 200 (H) X 99.97 (D)mm
Weight	About 1.24kg (Excluding Adaptor)



CNB Camera



Dimension



IBE3815NVR / IBE3815PVR



ISMC1063N / ISMC1063P

IP Network Camera Series

CNB Digital Security System



IGP1030



Progressive Image Processing Technology

XNET progressive scan type IP cameras provide much higher quality for clear monitoring than interlaced scan type.



[Mpeg4 Comparison image]



MEGA Pixel Image

XNET Mega Pixels IP cameras support real time streaming with 1.3 mega-pixels of detailed image up to Max. 1280 x 960 resolution over IP.



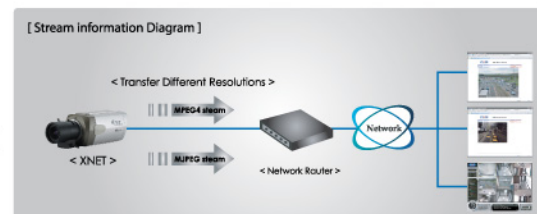
1.3 Mega-Pixel image

Digital Zoom image



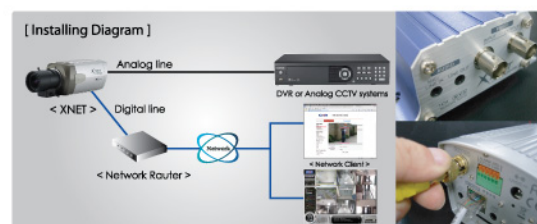
Hybrid IP Technology

XNET IP product series supports Hybrid IP technology which technology provides a standard analog CCTV BNC composite connection for conventional analog CCTV system and an Ethernet port to encoding image over IP simultaneously.



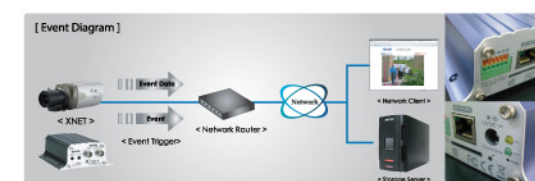
Dynamic Dual Stream

XNET IP products provide triple codec with selectable dual streaming for multi-clients. High quality of H.264(or MPEG4) and MJPEG both video streaming can be provided to the multi clients simultaneously.



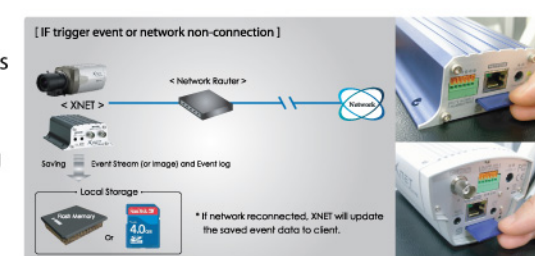
Multiple Event Trigger

XNET IP product series includes a physical type alarm & sensor event functions and logical event type to define event setting on screen display or integrate any kind of event action easily on the network environment.



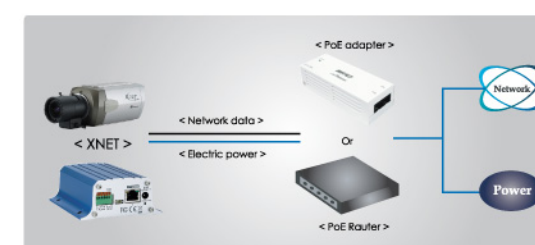
Storage Over IP

To avoid unpredictable network disconnection or lagging, XNET IP products provide local storages from a primary internal flash memory type to an removable SD type memory to store JPEG image with main H.264(or MPEG4) and MJPEG streaming via network simultaneously.

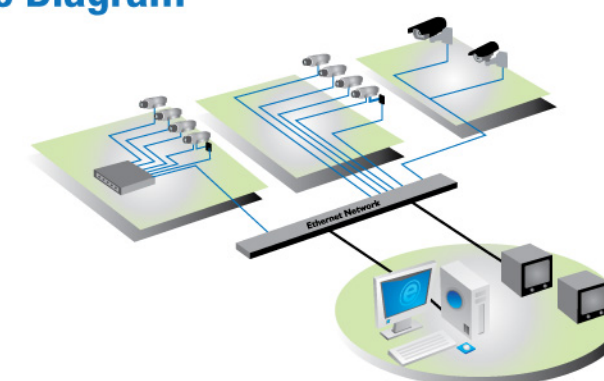


Built-in PoE(Power over Ethernet)

The built-in PoE feature provides much easier connection and installation with cost saving on network environment also efficient maintenance.



XNET IP Surveillance Diagram



IGP1030

IP Network Camera Series



FEATURES

- Hybrid IP Mega-pixels Box Camera
Select NTSC/PAL 1.0Vp-p (BNC type, composite)
- 1/2" Progressive scan CMOS
- Max. 1280(H) x 960(V) 1.3M Pixels
- 1.3 Mega-pixels Resolution up to 24fps
- Support Two-way Audio (Full duplex)
- Support Local Storage by SD Memory Card
- Ethernet 10/100 Base-T
- PoE(802.3af)

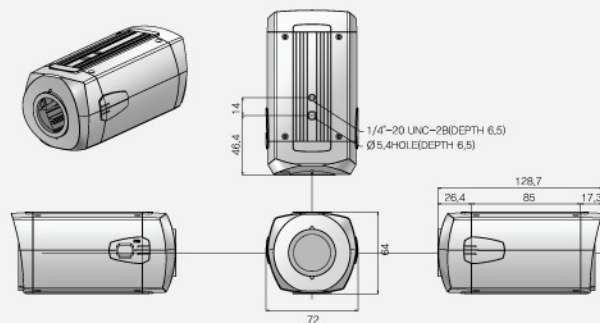
Rear view



Avail. in optional models

- IGP1000F : 1/4" Progressive Scan CCD, VGA, TDN(ICR)

Dimension



Specification

Model	IGP1030	
CAMERA	Signal System	Progressive image processing
	Scanning System	4:3 Progressive
	Image Sensor	1/2" Progressive scan CMOS
	Sync. System	Internal
	Effective Pixels Number	1280 (H) x 960 (V) 1.3 Mega
	Horizontal Resolution	800 TV Lines
	Video Output Level	Select NTSC/PAL 1.0Vp-p (BNC 75Ω, composite) * VGA/QVGA Mode Only
	Lens	C/CS Mount, DC Iris (Recommend Lens)
	Min. Illumination	1 Lux (DSS On), F1.2, 30IRE
	Digital Pan/Tilt	Image Cropping Function
VIDEO AUDIO	BackLight Compensation	On/Off
	Flickerless	On/Off
	White Balance	Auto/Manual
	Exposure	Auto/Manual
NETWORK	Functions	B/W
	Electronic Shutter Speed	NTSC : 1/6 ~ 1/600 (13 Step) / PAL : 1/6 ~ 1/500 (13 Step)
	Compression	SXGA / XGA : MJPEG / VGA : MJPEG / MPEG4 / H.264
	Frame rate	SXGA, XGA : MJPEG (Max. 24fps) / VGA : MJPEG / MPEG4 / H.264 (24fps)
SECURITY	Resolution	SXGA (1280 x 960), XGA (1024 x 768), VGA (640 x 480), QVGA (320 x 240)
	Video streaming	SXGA / XGA : MJPEG Single mode, VGA : Dual Capable
	Audio	Two-way (full duplex) / ADPCM G.726
	Protocol	IPv4, HTTP, TCP, RTSP, RTP, RTCP, UDP, SMTP, FTP, ICMP, DHCP, UPnP, Bonjour, ARP, DNS, DynDNS
ALARM AND EVENT MANAGEMENT	Supported DDNS	1. CNB DDNS 2. DynDNS.org 3. Reference code with SDK
	Support PoE	Standard IEEE 802.3af supported
	Access level setup	Multiple user access levels with password protection
	Network Security	IP Filtering
APPLICATION	Image detection	Motion detection (Select 3 Regions - each area)
	After Event process	JPEG Image upload over FTP server / SMTP (E-mail server)
	Local storage	JPEG Image write to Internal & SD card memory - Internal memory : Max 32MByte - SD memory : Support size Max 4GByte
	Pre / Post alarm	Detail time-set : Max Pre alarm 5 sec / Post alarm 8 sec Local storage (Internal memory or SD card memory : JPEG Image)
MAINTENANCE	Browser	Internet Explorer 6.0 or Higher
	System Upgrade	Firmware upgrade over HTTP
MECHANICAL	PTZ control (RS-485)	PTZ Protocol Service (User define update)
	Operating Temperature	0°C ~ 40°C
	Power	DC 12V Max. 5 W

IVP4030VR

IP Network Camera Series



FEATURES

- Hybrid IP Mega-pixels D&N IR Vandal-Resistant Dome
Select NTSC/PAL 1.0Vp-p (BNC type, composite)
- 1/2" Progressive scan CMOS
- Max. 1280(H) x 960(V) 1.3M Pixels
- 1.3 Mega-pixels Resolution up to 24fps
- Built-in DC Iris Vari-focal Lens (f=3~9mm, F1.2)
- Built-in IR LEDs (18EA) & Sensor (1EA)
- 3-Axis Movement for Free Lens Rotation
- Support Two-way Audio (Full duplex)
- Support Local Storage
- Ethernet 10/100 Base-T
- PoE(802.3af)

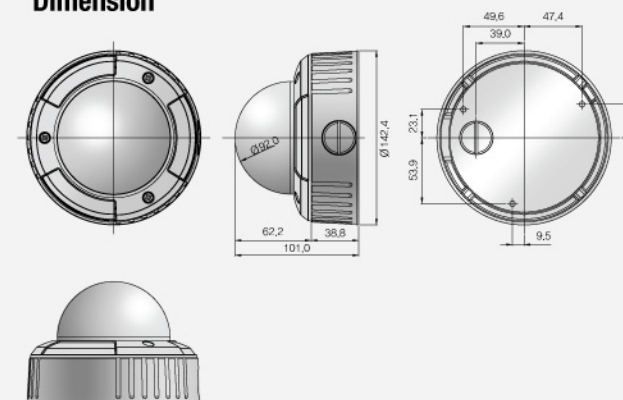
Avail. in optional models

- IVP4000VR : 1/4" Progressive scan CMOS, VGA, IR Varifocal Lens (3.8~9.5mm)
- IVC4000T : 1/4" Progressive scan CMOS, VGA, Fixed Lens(3.8mm)

Specification

Model	IVP4030VR	
CAMERA	Signal System	Progressive image processing
	Scanning System	4:3 Progressive
	Image Sensor	1/2" Progressive scan CMOS
	Sync. System	Internal
	Effective Pixels Number	1280 (H) x 960 (V) 1.3 Mega
	Horizontal Resolution	800 TV Lines
	Video Output Level	Select NTSC/PAL 1.0Vp-p (BNC 75Ω, composite) * VGA/QVGA Mode Only
	Lens	Built-in DC Iris Vari-focal Lens (f=3~9mm, F1.2)
	Min. Illumination	1 Lux (DSS On), 0 Lux (IR LED On), F1.2, 30IRE
	IR LED and Sensor	850nm / 30" IR LEDs 18EA, Sensor 1EA
VIDEO AUDIO	BackLight Compensation	On/Off
	Flickerless	On/Off
	White Balance	Auto/Manual
	Exposure	Auto/Manual
NETWORK	Functions	B/W
	Electronic Shutter Speed	NTSC : 1/6 ~ 1/600 (13 Step) / PAL : 1/6 ~ 1/500 (13 Step)
	Compression	SXGA / XGA : MJPEG / VGA : MJPEG / MPEG4 / H.264
	Frame rate	SXGA, XGA : MJPEG (Max. 24fps) / VGA : MJPEG / MPEG4 / H.264 (24fps)
SECURITY	Resolution	SXGA (1280 x 960), XGA (1024 x 768), VGA (640 x 480), QVGA (320 x 240)
	Video streaming	SXGA / XGA : MJPEG Single mode, VGA : Dual Capable Constant and variable bit rate in MPEG4 (128kbps ~ 3M bps), Controllable frame rate and bandwidth
	Audio	Two-way (full duplex) / ADPCM G.726
	Protocol	IPv4, HTTP, TCP, RTSP, RTP, RTCP, UDP, SMTP, FTP, ICMP, DHCP, UPnP, Bonjour, ARP, DNS, DynDNS
ALARM AND EVENT MANAGEMENT	Supported DDNS	1. CNB DDNS 2. DynDNS.org 3. Reference code with SDK
	Support PoE	Standard IEEE 802.3af supported
	Access level setup	Multiple user access levels with password protection
	Network Security	IP Filtering
APPLICATION	Image detection	Motion detection (Select 3 Regions - each area)
	After Event process	JPEG Image upload over FTP server / SMTP (E-mail server)
	Local storage	JPEG Image write to Internal - Internal memory : Max 32MByte
	Pre / Post alarm	Detail time-set : Max Pre alarm 5 sec / Post alarm 8 sec Local storage (Internal memory : JPEG Image)
MAINTENANCE	Browser	Internet Explorer 6.0 or Higher
	System Upgrade	Firmware upgrade over HTTP
MECHANICAL	PTZ control (RS-485)	PTZ Protocol Service (User define update)
	Operating Temperature	-10°C ~ 50°C (Day Mode), -10°C ~ 40°C (Night Mode - IR LED On)
	Power	DC 12V Max. 7 W

Dimension



IDP4030VR

IP Network Camera Series



FEATURES

- Hybrid IP Mega-Pixels D&N IR Dome Camera Select NTSC/PAL 1.0Vp-p (BNC type, composite)
- 1/2" Progressive scan CMOS
- Max. 1280(H) x 960(V) 1.3M pixels
- 1.3 Mega-pixel Resolution up to 24 FPS
- Built-in DC Iris Vari-focal Lens (f=3~9 mm, F1.2)
- Built-in IR LEDs (18EA) & Sensor (1EA)
- 3-Axis Movement for Free Lens Rotation
- Support Two-way Audio (Full duplex)
- Ethernet 10/100 Base-T
- Support Local Storage
- PoE(802.3af)

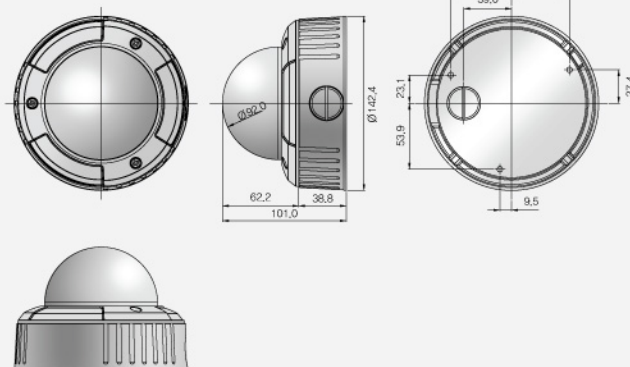
Avail. in optional models

- IVP4000VR : 1/4" Progressive scan CMOS, VGA, IR Varifocal Lens (3.8~9.5mm)
- IVC4000T : 1/4" Progressive scan CMOS, VGA, Fixed Lens(3.8mm)

Specification

Model	IVP4030VR	
CAMERA	Signal System	Progressive image processing
	Scanning System	4:3 Progressive
	Image Sensor	1/2" Progressive scan CMOS
	Sync. System	Internal
	Effective Pixels Number	1280 (H) x 960 (V) 1.3 Mega
	Horizontal Resolution	800 TV Lines
	Video Output Level	Select NTSC/PAL 1.0Vp-p (BNC 75Ω, composite) * VGA/QVGA Mode Only
	Lens	Built-in DC Iris Vari-focal Lens (f=3~9mm, F1.2)
	Min. Illumination	1 Lux (DSS On), 0 Lux (IR LED On), F1.2, 30IRE
	IR LED and Sensor	850nm / 30" IR LEDs 18EA, Sensor 1EA
	Back Light Compensation	On/Off
	Flickerless	On/Off
	White Balance	Auto/Manual
	Exposure	Auto/Manual
	Functions	B/W
VIDEO AUDIO	Electronic Shutter Speed	NTSC : 1/6 ~ 1/600 (13 Step) / PAL : 1/6 ~ 1/500 (13 Step)
	Compression	SXGA / XGA : MJPEG / VGA : MJPEG / MPEG4 / H.264
	Frame rate	SXGA, XGA : MJPEG (Max. 24fps) / VGA : MJPEG / MPEG4 / H.264 (24fps)
	Resolution	SXGA (1280 x 960), XGA (1024 x 768), VGA (640 x 480), QVGA (320 x 240)
	Video streaming	SXGA / XGA : MJPEG Single mode, VGA : Dual Capable Constant and variable bit rate in MPEG4 (128kbps ~ 3M bps), Controllable frame rate and bandwidth
NETWORK	Audio	Two-way (full duplex) / ADPCM G.726
	Protocol	IPv4, HTTP, TCP, RTSP, RTP, RTCP, UDP, SMTP, FTP, ICMP, DHCP, UPnP, Bonjour, ARP, DNS, DynDNS
	Supported DDNS	1. CNB DDNS 2. DynDNS.org 3. Reference code with SDK
SECURITY	Support PoE	Standard IEEE 802.3af supported
	Access level setup	Multiple user access levels with password protection
ALARM AND EVENT MANAGEMENT	Network Security	IP Filtering
	Image detection	Motion detection (Select 3 Regions - each area)
	Sensor detection	Sensor In, Scheduling, Alarm out
	After Event process	JPEG Image upload over FTP server / SMTP (E-mail server)
	Local storage	JPEG Image write to Internal memory - Internal memory: Max 32MByte
APPLICATION	Pre / Post alarm	Detail time-set: Max Pre alarm 5 sec / Post alarm 8 sec Local storage (Internal memory: JPEG Image)
	Browser	Internet Explorer 6.0 or Higher
MAINTENANCE	System Upgrade	Firmware upgrade over HTTP
	PTZ control (RS-485)	PTZ Protocol Service (User define update)
MECHANICAL	Operating Temperature	-10°C ~ 50°C (Day Mode), -10°C ~ 40°C (Night Mode - IR LED On)
	Pan/Tilt/Horizontal	3-Axis Movement for Free Lens Rotation
MECHANICAL	Power	DC 12V Max 7 W

Dimension



ISS2765NW / ISS2765PW

IP Network Camera Series



FEATURES

- 1/4" IT CCD, 480TV Lines
- 270x Zoom(27x Optical / 10x Digital)
- 127 Preset positions
- Pan/Tilt maximum rotating speed is 360°/sec
- Electronic sensitivity-up (DSS)
- TDN(ICR)
- Dual Stream MJPEG / H.264(or MPEG4) Resolution at D1 up to 30(25)fps
- Support Two-way Audio (ADPCM)
- Ethernet 10/100 Base-T
- RS-485 Protocol compatible
- IP66

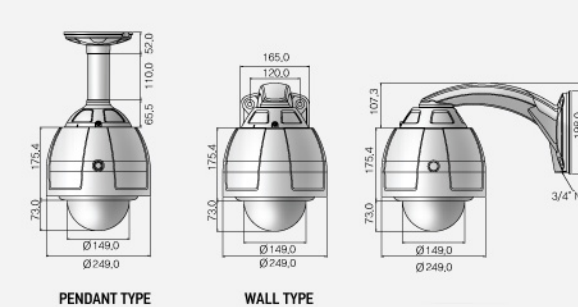
Avail. in optional models

- ISS2965NXW / ISS2965PXW : 1/4" IT CCD, 432x Zoom(36x Optical / 12x Digital) D1, WDR

Specification

Model	ISS2765NW	ISS2765PW
CAMERA	Signal System	NTSC PAL
	Scanning System	2:1 Interlace
	Scanning Frequency(Hz / M)	15.734kHz / 59.94Hz 15.625kHz / 50Hz
	Image Sensor	1/4" IT CCD
	Sync. System	Internal/Line-Lock
	Total Effective Pixels Number	410K / 380K 470K / 440K
	Horizontal Resolution	480 TV Lines
	Video Output Level	1.0Vp-p (75Ω, composite)
	S/N Ratio	More than 48dB (AGC off)
	Lens	27x Optical Zoom Lens
	Min. Illumination	1.0Lux(Color), 0.5Lux(B/W), 0.001Lux (DSS 128FLD) 30IRE, F1.2, 30IRE
	Day & Night System	Electronic Sensitivity-up (DSS), ICR (Sensor type)
	Privacy Zone	Control On/Off(8 Zone setting) over IP
	OSD Menu	Control On/Off over IP
VIDEO AUDIO	White Balance	Auto
	Preset	127 Positions with labels
	Functions	8 Swings, 4 Patterns, 8 Groups
	Panning/Tilting Range, Speed	Pan: 360° endless rotation; Tilt: 90°, Manual: 1° ~ 360°/sec; Preset: 360°/sec; Swing: 1° ~ 180°/sec
	Electronic Shutter Speed	1/60~1/10,000sec 1/50~1/10,000sec
VIDEO AUDIO	Compression	MJPEG / MPEG4 / H.264
	Frame rate	Dual Mode : MJPEG (15fps) / MPEG4 / H.264 (30fps)
	Resolution	DI (NTSC: 704x480 / PAL: 704x576), CIF(NTSC: 352x240 / PAL: 352x288)
	Video streaming	MJPEG / MPEG4(or H.264) Dual mode
	Audio	Two-way (Full duplex) / ADPCM G.726
NETWORK	Protocol	IPv4, HTTP, TCP, RTSP, RTP, RTCP, UDP, SMTP, FTP, ICMP, DHCP, UPnP, Bonjour, ARP, DNS, DynDNS
	Supported DDNS	1.CNB DDNS 2.DynDNS.org 3.Reference code with SDK
SECURITY	Access Level Setup	Multiple user access levels with password protection
	Network Security	IP Filtering
ALARM AND EVENT MANAGEMENT	Image Detection	Motion detection (Select 3 Regions - each area)
	After Event Process	JPEG Image upload over FTP server / SMTP (E-mail server)
	Local Storage	JPEG Image write to Internal memory Internal memory: Max 32MByte
	Pre/Post Alarm	Detail time-set: Max Pre alarm 5 sec / Post alarm 8 sec Local storage (Internal memory: JPEG Image)
	Browser	Internet Explorer 6.0 over
APPLICATION	Language Support	*Plan : Will support Unicode for multi-language
	System Upgrade	Firmware upgrade over HTTP (Network Module), Speed Dome Mechanism (Update stick)
MAINTENANCE	Operating Temperature	-30°C ~ 50°C
	Power	AC24V/2A, 14.4W

Dimension



IPM3063N / IPM3063P

IP Network Camera Series



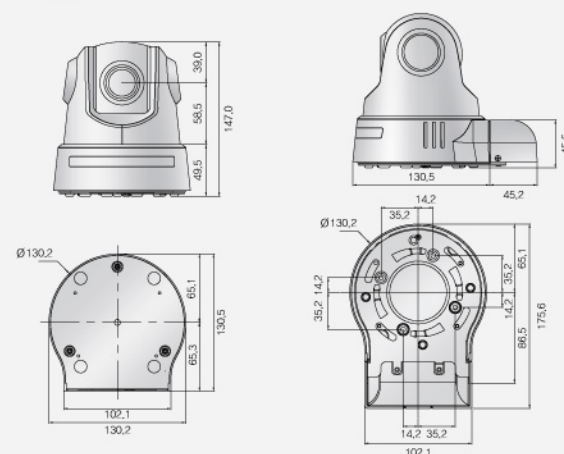
FEATURES

- 1/4" IT CCD, 500TV Lines
- 100x Zoom(10x Optical / 10x Digital)
- 127 preset positions
- Pan/tilt maximum rotating speed is 360°/sec
- Electronic sensitivity-up (DSS)
- TDN(ICR)
- Dual Stream MJPEG / H.264 (or MPEG4)
- Resolution at D1 up to 30(25) fps
- Vector Point Moving Function
- Support Two-way Audio (ADPCM)
- Support Local Storage by SD Memory Card
- Ethernet 10/100 Base-T

VIEW



Dimension



Specification

Model	IPM3063N	IPM3063P
CAMERA	Signal System	NTSC PAL
	Scanning System	2:1 Interlace
	Image Sensor	1/4" IT CCD
	Sync. System	Internal
	Effective Pixels Number	768(H) x 494(V) 380K(NTSC) 752(H) x 582(V) 440K(PAL)
	Horizontal Resolution	500TV Lines
	Video Output Level	1.0Vp-p (75Ω, composite)
	S/N Ratio	More than 50dB (AGC Off)
	Lens	10x Optical Zoom Lens
	Min. Illumination	Color: 0.7Lux@F1.8, 0.005Lux(Sens-up), B/W: 0.02Lux@F1.8
	Day & Night System	Electronic sensitivity-up(DSS), TDN(ICR)
	Privacy Zone	Control On/Off(4 Zone settings) over IP
	OSD Menu	Control On/Off over IP
	White Balance	Auto/Manual(Red, Blue Gain Adjustable)
	Electronic Shutter Speed	1/60~1/120,000sec(NTSC) / 1/50~1/120,000sec(PAL)
VIDEO AUDIO	Preset	127 Positions with labels
	Panning/Tilting Range	Pan: 360° endless rotation; Tilt: 90°
	Panning/Tilting Speed	Manual: 1° ~ 360°/sec; Preset: 360°/sec; Swing: 1°~180°/sec
	Compression	D1: MJPEG / MPEG4 / H.264
	Frame Rate	Dual Mode: MJPEG (15fps) / MPEG4 / H.264 (30fps)
	Resolution	D1 (NTSC: 704x480 / PAL: 704x576), CIF(NTSC: 352x240 / PAL: 352x288)
	Video Streaming	MJPEG / MPEG4(or H.264) Dual mode
		Constant and variable bit rate in MPEG4 (128kbps ~ 3M bps)
		Controllable frame rate and bandwidth
	Audio	Two-way (full duplex / ADPCM G.726)
NETWORK	Protocol	IPv4, HTTP, TCP, RTP, RTCP, UDP, SMTP, FTP, ICMP, DHCP, UPnP, Bonjour, ARP, DNS, DynDNS
	Supported DDNS	1.CNB DDNS 2.DynDNS.org 3.Reference code with SDK
SECURITY	Access Level Setup	Multiple user access levels with password protection
	Network Security	IP Filtering
ALARM AND EVENT MANAGEMENT	Image Detection	Motion detection (Select 3 Regions - each area)
	Sensor Detection	Sensor in, Scheduling, Alarm out
	After Event Process	JPEG Image upload over FTP server / SMTP (E-mail server)
	Local Storage	JPEG Image - Internal memory: Max 32MByte, SD Card: Max 4GByte
	Pre/Post Alarm	Detail time-set: Max Pre alarm 5 sec / Post alarm 8 sec Local storage (Internal memory, SD Card: JPEG Image)
APPLICATION	Browser	Internet Explorer 6.0 or higher
MAINTENANCE	System Upgrade	Firmware upgrade over HTTP(Network Module)
	PTZ control (RS-485)	Over IP
MECHANICAL	Operating Temperature	0°C ~ 40°C
	Power	DC 12V/1.2A

ISM1063N / ISM1063P

IP Network Camera Series



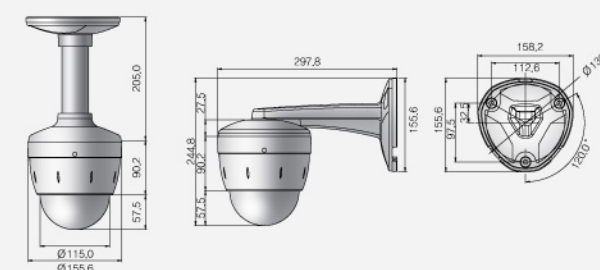
FEATURES

- 1/4" IT CCD, 500 TV Lines
- 100x Zoom(10x Optical / 10x Digital)
- 127 Preset positions
- Pan/Tilt maximum rotating speed is 360°/sec
- Electronic sensitivity-up (DSS)
- TDN(ICR)
- Dual Stream MJPEG / H.264(or MPEG4)
- Resolution at D1 up to 30(25)fps
- Support Two-way Audio (ADPCM)
- Ethernet 10/100 Base-T
- RS-485 Protocol compatible

Avail. in optional models

- ISSM2063NW / ISSM2063PW: 1/4" IT CCD, 100x Zoom(10x Optical / 10x Digital)
- D1(Outdoor)

Dimension



Specification

Model	ISM1063N	ISM1063P
CAMERA	Signal System	NTSC PAL
	Scanning System	2:1 Interlace
	Scanning Frequency (H/V)	15.734kHz / 59.94Hz 15.625kHz / 50Hz
	Image Sensor	1/4" IT CCD
	Total / Effective Pixel Number	410K / 380K 470K / 440K
	Horizontal Resolution	500 TV Lines
	Video Output Level	1.0Vp-p (75Ω, composite)
	S/N Ratio	More than 48dB (AGC off)
	Lens	10x Optical Zoom Lens
	Min. Illumination	0.7Lux(Color), 0.005Lux(Sens-up), 0.02Lux (B/W) 30IRE
	Day & Night System	Electronic Sensitivity-up (DSS), ICR (Sensor type), CNR
	Privacy Zone	Control On/Off(4 Zone setting) over IP
	OSD Menu	Control On/Off over IP
	White Balance	Auto
	Preset	127 Positions with labels
VIDEO AUDIO	Functions	8 Swings, 4 Patterns, 8 Groups
	Panning/Tilting Range Speed	Pan: 360° endless rotation; Tilt: 90°, Manual: 1° ~ 360°/sec; Preset: 360°/sec; Swing: 1°~180°/sec
	Electronic Shutter Speed	470K / 440K 470K / 440K
	Compression	MJPEG / MPEG4 / H.264
	Frame rate	Dual Mode: MJPEG (15fps) / MPEG4 / H.264 (30fps)
	Resolution	D1 (NTSC: 704x480 / PAL: 704x576), CIF(NTSC: 352x240 / PAL: 352x288)
	Video streaming	MJPEG / MPEG4(or H.264) Dual mode
	Audio	Two-way (Full duplex / ADPCM G.726)
NETWORK	Protocol	IPv4, HTTP, TCP, RTP, RTCP, UDP, SMTP, FTP, ICMP, DHCP, UPnP, Bonjour, ARP, DNS, DynDNS
	Supported DDNS	1.CNB DDNS 2.DynDNS.org 3.Reference code with SDK
SECURITY	Access Level Setup	Multiple user access levels with password protection
	Network Security	IP Filtering
ALARM AND EVENT MANAGEMENT	Image Detection	Motion detection (Select 3 Regions - each area)
	After Event Process	JPEG Image upload over FTP server / SMTP (E-mail server)
	Local Storage	JPEG Image write to Internal memory Internal memory: Max 32MByte
	Pre/Post Alarm	Detail time-set: Max Pre alarm 5 sec / Post alarm 8 sec Local storage (Internal memory: JPEG Image)
	Browser	Internet Explorer 6.0 over
APPLICATION	Language Support	*Plan: Will support Unicode for multi-language
	System Upgrade	Firmware upgrade over HTTP (Network Module), Speed Dome Mechanism (Update stick)
MAINTENANCE	Operating Temperature	-30°C ~ 50°C
	Power	DC 12V/1.2A, 10W

IBE3815NVR / IBE3815PVR

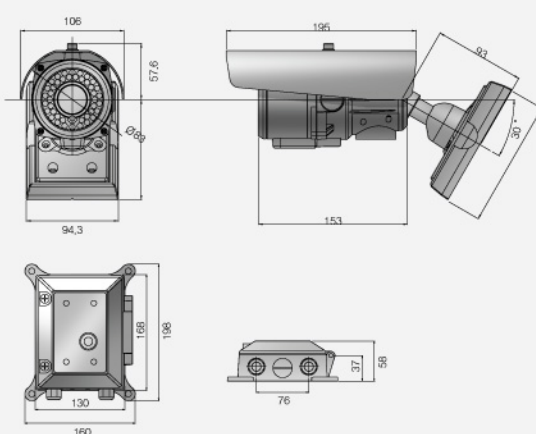
IP Network Camera Series



FEATURES

- 1/3" IT CCD, 550 TV Lines
- DC Iris Vari-focal Lens (3.8~9.5mm, F1.3)
- TDN(ICR), DSS, 2x Digital Zoom
- AWB, AGC, BLC, Flickerless
- Built-in IR LEDs (42EA) & Sensor
- Built-in Temperature Auto-Pan
- Built-in System / Network / Event Status LED
- Dual Stream MJPEG / H.264(or MPEG4)
Resolution at D1 up to 30(25)fps
- Support Two-way Audio (ADPCM)
- Ethernet 10/100 Base-T

Dimension



Specification

Model	IBE3815NVR	IBE3815PVR
CAMERA	Signal System	NTSC PAL
	Scanning System	2:1 Interlace
	Scanning Frequency (H/V)	15.734kHz / 59.94Hz 15.625kHz / 50Hz
	Image Sensor	1/3" IT CCD
	Sync. System	Internal
	Total / Effective Pixels Number	410K / 380K 470K / 440K
	Horizontal Resolution	550 TV Lines
	Video Output Level	1.0Vp-p (75Ω, composite)
	S/N Ratio	More than 50dB (AGC off)
	Lens	DC Iris vari-focal lens (f=3.8~9.5mm F1.3)
	Min. Illumination	0.3Lux (Color), 0.1Lux (B/W), 0.008Lux (DSS 32FLD), 0.000Lux (IR LED ON) 1/4" IT CCD
	Day & Night System	Electronic Sensitivity-up (DSS), ICR (Sensor type)
	OSD Menu	Manual
	White Balance	Auto
VIDEO AUDIO	DIP SW	AGC, BLC, FL, D/N, D. Zoom, DSS, IR LED On/Off
	IR LED & Sensor	IR LED 42EA (850nm 15", 30"), Sensor 1EA
	IR LED Lighting Distance	Max. 40m
	Electronic Shutter Speed	1/60~1/120,000sec 1/50~1/120,000sec
VIDEO AUDIO	Compression	MJPEG / MPEG4 / H.264
	Frame rate	Dual Mode: MJPEG (15fps) / MPEG4 / H.264 (30fps)
	Resolution	DI (NTSC: 704x480 / PAL: 704x576), CIF (NTSC: 352x240 / PAL: 352x288)
	Video streaming	MJPEG / MPEG4(or H.264) Dual mode
NETWORK	Audio	Two-way (Full duplex / ADPCM G.726)
	Protocol	IPv4, HTTP, TCP, RTSP, RTP, RTCP, UDP, SMTP, FTP, ICMP, DHCP, UPnP, Bonjour, ARP, DNS, DynDNS
	Supported DNS	1.CNB DDNS 2.DynDNS.org 3.Reference code with SDK
	Access Level Setup	Multiple user access levels with password protection
SECURITY	Network Security	IP Filtering
	Image Detection	Motion detection (Select 3 Regions - each area)
	After Event Process	JPEG Image upload over FTP server / SMTP (E-mail server)
	Local Storage	JPEG Image write to Internal memory Internal memory: Max 32MByte
ALARM AND EVENT MANAGEMENT	Pre/Post Alarm	Detail time-set: Max Pre alarm 5 sec / Post alarm 8 sec Local storage (Internal memory: JPEG image)
	Browser	Internet Explorer 6.0 over
	Language Support	*Plan: Will support Unicode for multi-language
	System Upgrade	Firmware upgrade over HTTP (Network Module)
MAINTENANCE	Operating Temperature	0°C ~ 40°C
	Power	DC 12V / 5A

IBE5810NCR / IBE5810PCR

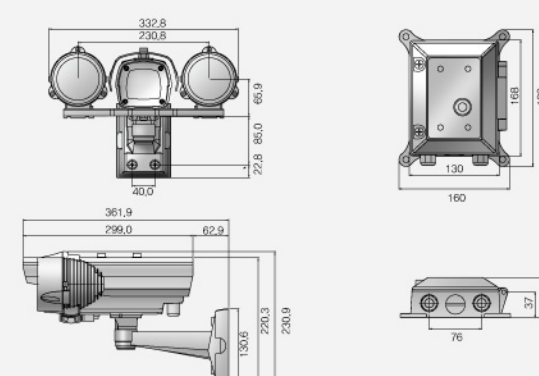
IP Network Camera Series



FEATURES

- 1/3" IT CCD, 550 TV Lines
- DC Iris Vari-focal Lens (7.5~50mm, F1.3)
- TDN(ICR), DSS, 2x Digital Zoom
- AWB, AGC, BLC, Flickerless
- Built-in IR LEDs (206EA) & Sensor
- Built-in Temperature Auto-Pan
- Built-in System / Network / Event Status LED
- Dual Stream MJPEG / H.264(or MPEG4)
Resolution at D1 up to 30(25)fps
- Support Two-way Audio (ADPCM)
- Ethernet 10/100 Base-T

Dimension



Specification

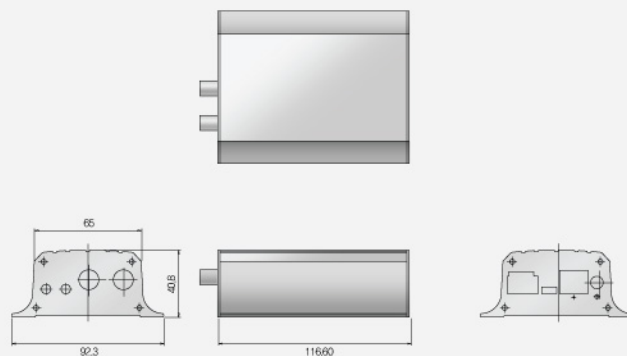
Model	IBE5810NCR	IBE5810PCR
CAMERA	Signal System	NTSC PAL
	Scanning System	2:1 Interlace
	Scanning Frequency (H/V)	15.734kHz / 59.94Hz 15.625kHz / 50Hz
	Image Sensor	1/3" IT CCD
	Sync. System	Internal
	Total / Effective Pixels Number	410K / 380K 470K / 440K
	Horizontal Resolution	550 TV Lines
	Video Output Level	1.0Vp-p (75Ω, composite)
	S/N Ratio	More than 50dB (AGC off)
	Lens	DC Iris vari-focal lens (f=7.5~50mm F1.3)
	Min. Illumination	0.3Lux (Color), 0.1Lux (B/W), 0.008Lux (DSS 32FLD), 0.000Lux (IR LED ON), F1.2, 30IRE
	Day & Night System	Electronic Sensitivity-up (DSS), ICR (Sensor type)
	OSD Menu	Manual
	White Balance	Auto
VIDEO AUDIO	DIP SW	AGC, BLC, FL, D/N, D. Zoom, DSS, IR LED On/Off
	IR LED & Sensor	IR LED 206EA (850nm 15"), Sensor 1EA
	IR LED Lighting Distance	Over. 80m
	Electronic Shutter Speed	1/60~1/120,000sec 1/50~1/120,000sec
VIDEO AUDIO	Compression	MJPEG / MPEG4 / H.264
	Frame rate	Dual Mode: MJPEG (15fps) / MPEG4 / H.264 (30fps)
	Resolution	DI (NTSC: 704x480 / PAL: 704x576), CIF (NTSC: 352x240 / PAL: 352x288)
	Video streaming	MJPEG / MPEG4(or H.264) Dual mode
NETWORK	Audio	Two-way (Full duplex / ADPCM G.726)
	Protocol	IPv4, HTTP, TCP, RTSP, RTP, RTCP, UDP, SMTP, FTP, ICMP, DHCP, UPnP, Bonjour, ARP, DNS, DynDNS
	Supported DNS	1.CNB DDNS 2.DynDNS.org 3.Reference code with SDK
	Access Level Setup	Multiple user access levels with password protection
SECURITY	Network Security	IP Filtering
	Image Detection	Motion detection (Select 3 Regions - each area)
	After Event Process	JPEG Image upload over FTP server / SMTP (E-mail server)
	Local Storage	JPEG Image write to Internal memory Internal memory: Max 32MByte
ALARM AND EVENT MANAGEMENT	Pre/Post Alarm	Detail time-set: Max Pre alarm 5 sec / Post alarm 8 sec Local storage (Internal memory: JPEG image)
	Browser	Internet Explorer 6.0 over
	Language Support	*Plan: Will support Unicode for multi-language
	System Upgrade	Firmware upgrade over HTTP (Network Module)
MAINTENANCE	Operating Temperature	0°C ~ 40°C
	Power	DC 12V / 5A



FEATURES

- 1CH Input BNC Type Composite Video Signal Auto Detect (NTSC/PAL)
- 1CH Video Loop Back (BNC Type) Select NTSC/PAL 1.0Vp-p (BNC Type)
- Built-in System / Network / Event Status LED
- Dual Stream MJPEG / H.264(or MPEG4) Resolution at D1 up to 30(25)fps
- Support Two-way Audio (ADPCM)
- Support Local Storage by SD Memory Card
- Ethernet 10/100 Base-T (Support PoE)
- PoE(802.3af)

Dimension



Specification

Model		INS2000
VIDEO SIGNAL	Input Signal	1ch Input BNC type Composite
	Signal Select	NTSC/PAL (Manual)
	Video Output Level	1ch Video Loop Back (BNC type - 75Ω composite)
VIDEO AUDIO	Compression	MJPEG / MPEG4 / H.264
	Frame rate	Dual Mode : MJPEG (15fps, NTSC/PAL) MPEG4 / H.264 (30fps, NTSC) *PAL(25fps)
	Resolution	D1 (NTSC: 704 x 480 / PAL: 704 x 576) CIF (NTSC: 352 x 240 / PAL: 352 x 288)
	Video streaming	MJPEG / MPEG4(or H.264) Dual mode Constant and variable bit rate in MPEG4 (128kbps ~ 3M bps) Controllable frame rate and bandwidth
	Image settings	Compression level setting Configurable Brightness, Sharpness, White Balance
	Audio	Two-way (full duplex / ADPCM G.726)
NETWORK	Protocol	IPv4, HTTP, TCP, RTSP, RTP, RTCP, UDP, SMTP, FTP, ICMP, DHCP, UPnP, Bonjour, ARP, DNS, DynDNS
	Supported DDNS	1. CNB DDNS 2. DynDNS.org 3. Reference code with SDK
	LAN Interface	Ethernet 10/100 Base-T (RJ-45 Type)
	Support PoE	Standard IEEE 802.3af supported
SECURITY	Access level setup	Multiple user access levels with password protection
	Network Security	IP Filtering
ALARM AND EVENT MANAGEMENT	Image detection	Motion detection (Select 3 Regions - each area)
	Sensor detection	Sensor In, Scheduling, Alarm out
	After Event process	JPEG Image upload over FTP server / SMTP (E-mail server)
	Local storage	JPEG Image write to Internal & SD card memory - Internal memory: Max 32MByte - SD memory: Support size Max 4GByte
	Pre / Post alarm	Detail time-set: Max Pre alarm 5 sec / Post alarm 8 sec Local storage (Internal memory or SD card memory: JPEG Image)
APPLICATION	Browser	Internet Explorer 6.0 over
MAINTENANCE	System Upgrade	Firmware upgrade over HTTP
	PTZ control (RS-485)	PTZ Protocol Service (User define update)
MECHANICAL	Operating Temperature	0°C ~ 40°C
	Power	DC 12V Max 5W



XNET APP (XNET Alliance Partner Program)

CNB well organized and optimized SDK&API is perfectly compatible with any kind of open platform scalable VMS developers to provide total solutions for customer. CNB always welcomes to join XNET Alliance Partner Program. *Feb, 2010



CNB CMS software

CNB CMS is compatible with all of CNB digital surveillance video products from HDx DVR series to XNET IP products for flexible and efficient surveillance monitoring environment CCTV system.

Main Features

- Max. 128Channel *)Dual Monitor
- Remote search and Local search, Local Set up
- Support 1024*768, 1280*1024 resolution and Full Screen
- Support PC DVR 'V3' series
Standalone DVR (SDx series, HDx series)
XNET IP products



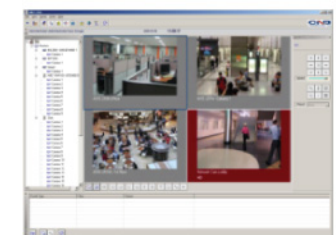
XNET CMS / XNET NVR Product



XNET CMS/ NVR is a network video recording and management system solution. It manages A/V streaming with all of alarm trigger from network cameras and video servers via network simultaneously.

Main Features

- Concurrent search & playback by max. 5 users
- up to 32 video & audio channel recording.(simultaneously)
- Map IP units on registered map on XNET CMS
- Full remote control IP product by XNET CMS
- Individual management local user and remote user
- Multi user ID with different authority
- Various playback method (timeline, Thumbnail, time etc.)
- 60 seconds pre & post alarm





HDF1212DV



HDS4824

HDS4848DV



HDx DVR Series

CNB Digital Security System

HDx DVR Main Feature

HDx DVR Series

Various Realtime Recording

HDx series supports realtime all channel recording and other recording functions, such as real time / motion detection / sensor / schedule recording / emergency recording.



Advanced hardware Environment

HDx series adapted SATA HDD for stable and faster recording, SATA DVDRW overcomes the existing recording and backup limits of HDD and CDRW.



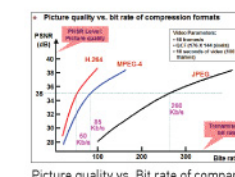
Simple control by USB Interface

System menu control and settings are controlled by USB mouse. Use USB memory stick or external HDD to backup recorded images and system settings or system upgrade



Strong H.264 under Low Network Bandwidth

HDx series helps to reduce network bandwidth load with H.264 codec upon surveillance of network client.



Various Relay output and Text-in-Text feature

HDx series has a terminal block for TTL input/output and relay output, POS / ATM equipment with RS-232 port using Text-in-Text feature allows to save the information of POS/ ATM equipment along with recorded images.



Two-way Audio

HDx series supports two way audio feature between local DVR administrator and network client.

Standard H.264 Video CODEC

New video standard H.264(Mpeg4 Part 10 ver.) provides better quality images than existing Mpeg4.



H.264 Image

MPEG4 Image

Various System Control Environment

HDx series supports realtime surveillance, recording, searching, playback and remote surveillance, search settings through USB mouse, front panel keypad, and remote access.



Web Client Viewer(with ActiveX for IE)



PTZ Control with Mouse and Controller

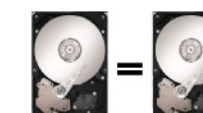
System Stability Based on Linux

Linux OS based HDX Series protects recorded images from unexpected power shortages by HDD SMART features and optimized DB file System additionally, support advanced system stability using hardware system Watchdog as a second system protection.



HDD Archiving and Mirroring

Ability to duplicate surveillance image recording and record Independently by the other hdd in case of external/internal HDD crash.



Realtime Surveillance

HDx series supports VGA, composite outputs, and spot image output for event response instantly. Loop-back CCTV camera images to DVR in order to construct the same surveillance environment as other CCTV systems



Own Media Player for Backup Playback

HDx DVR series provides a self executable solution for simple backup data playback. (1 channel Video data) This does not only provide effective data search and playback but also unauthorized data alteration.



HDx DVR Applications

Convenient and strong network surveillance environment

HDx series equipped with same menu as DVR in order to provide convenient network surveillance. And realtime surveillance, search on recorded images, and system setting can be done through web browser (IE 7.0 or better) or HDx Viewer (CMS) software.



Client Viewer Software - HDx Viewer



Web Client Viewer (with ActiveX for IE)

HDS4848DV

HDx DVR Series



FEATURES

- Realtime Recording 480fps(NTSC)/400fps(PAL)
- Dynamic Recoding Schedule Functions (Time, Motion, Alarm)
- Support Emergency-Recording Key
- Support HDD Archiving & Mirroring
- 16ch VideoLoop-Back & 1 VGA, 4 SPOT
- 16ch Audio Input / 1ch Output (Two-way Audio)
- Easy Control interface
: Front Key board / Remote controller / USB Mouse
- Smart Quick System Set up
- Multi Event Programing :
SMTP(E-mail) / Callback / SPOT Video Output
- Support SATA interface 3 HDD / 1 DVDRW (Built-in)
- Text-in-Text feature for POS / ATM device
- Support DDNS server and Web server (with ActiveX)

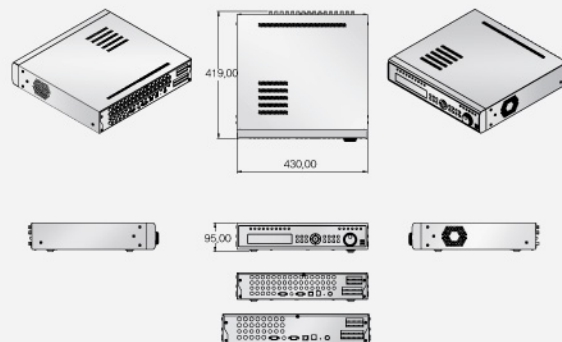
Avail. in optional models

- HDE2424DV : 8CH Realtime Recording (240/200fps)

Specification

Model		HDS4848DV	
VIDEO	Input	Composite	16CH, 1.0Vp-p, 75Ω
		Signal Format	NTSC/PAL
		Main Monitor	Composite 1CH BNC, 1CH VGA, 1CH Spot
	Output	Output Level	Composite, 1.0Vp-p, 75Ω
		Signal Format	NTSC/PAL & VGA
	Loopback Output	Signal Format	NTSC/PAL & VGA
		Loopback Output	16CH BNC 1.0Vp-p, 75Ω
AUDIO	Input & Output	16CH RCA type (12 Line / 4 Mic) / 1CH RCA type Line output	
	Audio Codec	ADPCM	
RECORDING	Compression Format	H.264 Baseline Profile (MPEG4 Part 10)	
	Compression Rate	4 Step Selectable	
	Frame Rate	D1 : 720x480 / 720x576 MAX.120 / 100fps	
	(NTSC/PAL)	Half D1 : 720x240 / 720x288 MAX.240 / 200fps	
		CIF : 360x240 / 360x288 MAX.480 / 400fps	
	Recording Mode	Time Continuous / Schedule / Event / Emergency REC	
DISPLAY	Display Rate	Real time Display per Camera	
	Multiscreen Display	1 / 4 / 6 / 8 / 16 / PIP / Digital Zoom / Auto Sequence	
	Display Mode	1 / 4 / 6 / 8 / 16 / Digital Zoom	
PLAYBACK	Playback Mode	Normal Playback, Various playback speed (Forward and Backward)	
	Search Mode	Achived data Search, Date/Time, Calendar, Event	
EVENT	Sensor Input	16 TTL (Terminal Block NO/NC Programmable)	
	Alarm Output	2 Relay, 2 TTL (terminal block NO/NC Programmable)	
	Pre-alarm Recording	Max. 30 sec.	
	Post-alarm Recording	Max. 1 Min.	
LANGUAGE	Multi-Language	English,Japanese,Chinese,Russian,Korean and to be add more	
		Interface Type	
STORAGE	Internal HDD	Interface Type	3 SATA type HDD
		Max. HDD Capacity	Support 1TB
	Internal ODD	File System	OWN File System
BACKUP	Data Exporting	Interface	1 SATA Type ODD *Built-in type
		USB	USB Memory & External USB HDD, Clip copy for Quick Time (Mov)
SERIAL PORT	PTZ Camera Control	ODD	DVD-RW
		ODD	DVD-RW
OPERATION	Control Applications	Via Front Consol Control, USB Mouse, Remote Controller, TCP/IP (Network)	
	Remote Access Interface	Support Same Local Control Interface	
NETWORK	Remote Access Tool	ActiveX Base Web Live & Search	
		CNB CMS Access (Live, Setting, Search, Recoding, ETC.)	
	Dynamic IP support	Event Alarm Callback, Remote Site System Check with CMS	
		CNB DDNS Server	
OTHERS	Network Interface	10/100 base-T Ethernet (RJ-45)	
	System Time Sync	Support Network Time Protocol	
	Power	DC 12V, 6.67A, 80W	
	Dimensions (WxHxD)mm	430 x 95 x 419 (mm)	

Dimension



HDS4824

HDx DVR Series



FEATURES

- Max. Recording 240fps(NTSC)/200fps(PAL)
- Dynamic Recoding Schedule Functions (Time, Motion, Alarm)
- Support Emergency-Recording Key
- 16ch VideoLoop-Back & 1 VGA, 1 SPOT
- 4ch Audio Input / 1ch Output
- Easy Control interface
: Front Key board / Remote controller / USB Mouse
- Smart Quick System Set up
- Multi Event Programing :
SNTP(E-mail) / Callback / SPOT Video Output
- Support SATA interface 3 HDD / 1 DVDRW (*Optional)
- Support DDNS server and Web server (with ActiveX)

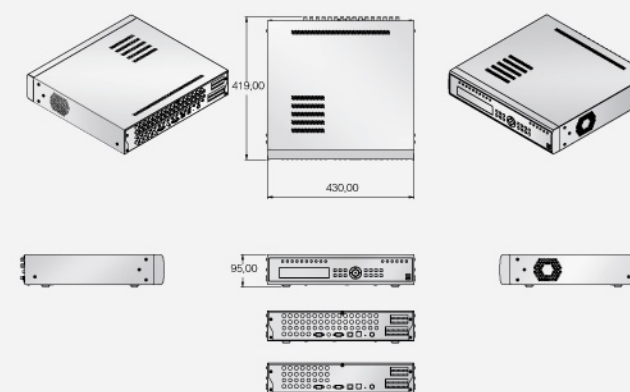
Avail. in optional models

- HDE2412 : 8CH Recording (120/100fps)

Specification

Model		HD4824	
VIDEO	Input	Composite	16CH, 1.0Vp-p, 75Ω
		Signal Format	NTSC/PAL
		Main Monitor	Composite 1CH BNC, 1CH VGA, 1CH Spot
	Output	Output Level	Composite, 1.0Vp-p, 75Ω
		Signal Format	NTSC/PAL & VGA
	Loopback Output	Signal Format	NTSC/PAL & VGA
		Loopback Output	16CH BNC 1.0Vp-p, 75Ω
AUDIO	Input & Output	4CH RCA type Line Input / 1CH RCA type Line output	
	Audio Codec	ADPCM	
RECORDING	Compression Format	H.264 Baseline Profile	
	Compression Rate	4 Step Selectable	
	Frame Rate	D1 : 720x480 / 720x576 MAX.60 / 50fps	
	(NTSC/PAL)	Half D1 : 720x240 / 720x288 MAX.120 / 100fps	
		CIF : 360x240 / 360x288 MAX.240 / 200fps	
	Recording Mode	Time Continuous / Schedule / Event / Emergency REC	
DISPLAY	Display Rate	Real time Display per Camera	
	Multiscreen Display	1 / 4 / 6 / 8 / 16 / PIP / Digital Zoom / Auto Sequence	
	Display Mode	1 / 4 / 6 / 8 / 16 / Digital Zoom	
PLAYBACK	Playback Mode	Normal Playback, Various playback speed (Forward and Backward)	
	Search Mode	Achived data Search, Date/Time, Calendar, Event	
EVENT	Sensor Input	16 TTL (Terminal Block NO/NC Programmable)	
	Alarm Output	2 Relay, 2 TTL (terminal block NO/NC Programmable)	
	Pre-alarm Recording	Max. 30 sec.	
	Post-alarm Recording	Max. 1 Min.	
LANGUAGE	Multi-Language	English,Japanese,Chinese,Russian,Korean and to be add more	
		Interface Type	
STORAGE	Internal HDD	Interface Type	3 SATA type HDD
		Max. HDD Capacity	Support 1TB
	Internal ODD	File System	OWN File System
BACKUP	Data Exporting	Interface	1 SATA Type ODD *Optional
		USB	USB Memory & External USB HDD, Clip copy for Quick Time (Mov)
SERIAL PORT	PTZ Camera Control	ODD	DVD-RW
		ODD	DVD-RW
OPERATION	Control Applications	Via Front Consol Control, USB Mouse, Remote Controller, TCP/IP (Network)	
	Remote Access Interface	Support Same Local Control Interface	
NETWORK	Remote Access Tool	ActiveX Base Web Live & Search	
		CNB CMS Access (Live, Setting, Search, Recoding, ETC.)	
	Dynamic IP support	Event Alarm Callback, Remote Site System Check with CMS	
		CNB DDNS Server	
OTHERS	Network Interface	10/100 base-T Ethernet (RJ-45)	
	System Time Sync	Support Network Time Protocol	
	Power	DC 12V, 6.67A, 80W	
	Dimensions (WxHxD)mm	430 x 95 x 419 (mm)	

Dimension





FEATURES

- Realtime Recording 120fps(NTSC)/100fps(PAL)
- Dynamic Recoding Schedule Functions (Time, Motion, Alarm)
- Support Emergency-Recording Key
- 4ch VideoLoop-Back & 1 VGA, 1 SPOT
- 4ch Audio Input / 1ch Output (Two-way Audio)
- Easy Control interface
: Front Key board / Remote controller / USB Mouse
- Support SATA interface 1 HDD / 1 DVDRW (Built-in)
- Text-in-Text feature for POS / ATM device
- Support DDNS server and Web server (with ActiveX)

Avail. in optional models

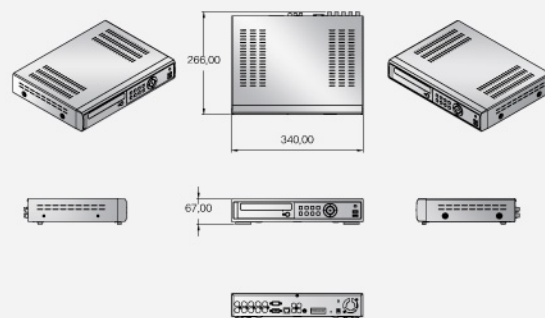
- **HDF1212** : Semi-Duplex Recording(120 / 100fps)
- **HDF1212H** : Full-Duplex Recording(120 / 100fps)



Specification

Model		HDF1212DV	
VIDEO	Input	Composite	4CH, 1.0Vp-p, 75Ω
		Signal Format	NTSC/PAL
		Main Monitor	Composite 1CH BNC, 1CH VGA, 1CH Spot
	Output	Output Level	Composite, 1.0Vp-p, 75Ω
		Signal Format	NTSC/PAL & VGA
		Loopback Output	4CH BNC 1.0Vp-p, 75Ω
AUDIO	Input & Output	4CH RCA type Line Input / 1CH RCA type Line output	
	Audio Codec	ADPCM	
RECORDING	Compression Format	H.264 Baseline Profile (MPEG4 Part.10)	
	Compression Rate	4 Step Selectable	
	Frame Rate	D1 : 720x480 / 720x576 MAX.30 / 25fps	
	(NTSC/PAL)	Half D1 : 720x240 / 720x288 MAX.60 / 50fps	
		CIF : 360x240 / 360x288 MAX.120 / 100fps	
		Time Continuous / Schedule / Motion / Sensor	
DISPLAY	Motion Detection	Each Channel Area Selectable	
	Display Rate	Real time Display per Camera	
	Multiscreen Display	1 / 4 / PIP / Digital Zoom / Auto Sequence	
PLAYBACK	Display Mode	1 / 4 Digital Zoom	
	Playback Mode	Normal Playback, Various playback speed (Forward and Backward)	
	Search Mode	Achived data Search, Date/Time, Calendar, Event	
	Sensor Input	4 TTL (Terminal Block NO/NC Programmable)	
EVENT	Alarm Output	2 Relay, 2 TTL (terminal block NO/NC Programmable)	
	Pre-alarm Recording	Max. 30 sec.	
	Post-alarm Recording	Max. 1 Min.	
LANGUAGE	Multi-Language	English,Japanese,Chinese,Russian,Korean	
STORAGE	Internal HDD	Interface Type	1 SATA Type HDD
		Max. HDD Capacity	Support 1TB
	Internal ODD	File System	OWN File System
		Interface	1 SATA Type ODD*) Built-in type
BACKUP	Data Exporting	USB	USB Memory & External USB HDD, Clip copy for Quick Time (Mov)
		ODD	DVD-RW
SERIAL PORT	PTZ Camera Control	1 RS-485, 1 RS-232	
OPERATION	Control Applications	Via Front Console Control, USB Mouse, Remote Controller, TCP/IP (Network)	
	Remote Access Interface	Support Same Local Control Interface	
NETWORK	Remote Access Tool	ActiveX Base Web Live & Search	
		CNB CMS Access (Live, Setting, Search, Recoding, ETC.)	
		Event Alarm Callback, Remote Site System Check with CMS	
	Dynamic IP support	CNB DDNS Server	
	Network Interface	10/100 base-T Ethernet (RJ-45)	
	System Time Sync	Support Network Time Protocol	
OTHERS	Power	DC 12V, 3.33A, 40W	
	Dimensions (WxHxD)mm	340 x 67 x 267 (mm)	

Dimension



Lens



M13VG308

FEATURES

- Megapixels, f=3.0~8mm, F1.0, DC Auto Iris, CS Mount



13VG2812ASII

FEATURES

- f=2.8~12mm, F1.4, DC Auto Iris, CS Mount



13VG308AS

FEATURES

- f=3.0~8mm, F1.0, DC Auto Iris, CS Mount



13VG550AS

FEATURES

- f=5~50mm, F1.4, DC Auto Iris, CS Mount



GL2506AV

FEATURES

- Focal Length : 2.5~6.0mm
- F Number : 1.4
- DC Auto Iris, CS Mount, 1/3" Format
- Minimum Object Distance : 0.3m
- Applicable Wavelength : 400nm~900nm

Accessories

V2000 / V1000
DUMMY VANDAL DOME

- 100mm Dummy Vandal-Resistant Dome Camera

D2000 / D1000
DUMMY DOME

- 100mm, 85mm Dummy Dome Camera



Dome Camera Wall Bracket

WVZB100

AF Zoom Dome Wall Mount Bracket



Applications



WDB100

Ø100 General / Vandal-Resistant
Dome Camera Wall Mount Bracket
(WDR Dome, IP Dome, V1000 & V 2000 Series)



Applications



Dome Camera Pendant Bracket

PVB100

Ø100 General / Vandal-Resistant
Dome Camera Pendant Mount Bracket
(WDR Dome, IP Dome, V1000 & V 2000 Series)



Applications



Dome Camera Wall Bracket

WDB201

Wall Mount Type Bracket for Vandal
Proof Dome(V1000 Series, IVP4000 Series)



WDB202

D2000 (IP Dome, WDR Dome,
V2000 Series)



WDB203

D2000, VB2000 Series



Dome Camera Pendant Bracket

PDB101

Wall Mount Type Bracket for Vandal
Proof Dome(V1000 Series, IVP4000 Series)



PDB102

D2000 (IP Dome, WDR Dome,
V2000 Series)



PDB103

D2000, VB2000 Series



Universal Wall, Ceiling, Redestal Camera Mount

Plastic Brackets for Universal Use Standard 1/4-20

WMB50



WMB60



WMB80



WMB90

