

MV-BC22-DV MV-BC23-AC

Box Camera's



High-resolution colour makes this camera a great choice for your security initiatives. This camera gives you flexibility and versatility with its ON/OFF software Day/Night, backlight Compensation, dual level AGC features and the choice of 12VDC/24VAC or 230VAC powered units. A simple to operate, yet highly effective surveillance tool.



MV-BC22-DV
MV-BC23-AC



Features

- 540 TVL in Day Modem / 570 TVL in Night Mode
- 1/3" Format Sony ExView® CCD.
- Removable IR cut filter.
- 0.6 Lux @ F1.2.
- Automatic lens detection.
- CS and C mount Lens Support.
- Digital noise reduction.
- **MV-BC22-DV**: Dual Voltage 12VDC/24VAC.
- **MV-BC23-AC**: 230VAC only.
- 4 privacy masking zones.
- 6 backlight compensation zones.
- Separate configuration for Day & Night modes.
- On Screen Display for local configuration and RS485 data.
- Communications for remote control and programming.

General Specifications

Image Size	1/3" Format Sony ExView® CCD
Sensor Pixel Element	768 H x 582 V Approx. 440K Pixels
Scanning Frequency	PAL 2:1 Interlace, H: 15.625KHz, V: 50Hz
Operation Temperature	-14°F to 122°F (-10°C to +50°C)
Storage Temperature	-4°F to 140°F (-20°C to +60°C)
Output Terminal	BNC 75 Ohm Unbalanced
Power Input Terminal	3-Pin Push Lock Terminal Block
Power Source	11~28VDC, 20~28VAC (MV-BC22-DV) 100~250VAC (MV-BC23-AC)
Power Consumption	4.5W Max
Power Indicator	3ø Green LED on Rear Panel
Iris Connector Video Drive:	3-Pin Push Lock Terminal Block on Rear
DC Drive	4-Pin Connector on Side (Panasonic®Standard)
Lens Mount	CS to C Mount Adjustable
Back Focus Adjust	Adjustable by Screw
External Dimensions	73mm (W) x 63mm (H) x 122mm (D) 2.87" (W) x 2.48" (H) x 4.80" (D)
Weight	360g / 12.7oz net

Video Specifications

Resolution	Day Time Mode 540TV Lines Night Time Without IR-Cut filter: 570TV Lines
Minimum Illumination	Night Time Without IR-Cut filter: 0.1 Lux@F1.2(50 IRE Video Output)
Video Output 1.0Vp-p	75 Ohm BNC unbalanced
S/N Ratio	50dB
AGC Turbo Gain	36dB
AGC Preset Gain	32dB
H Aperture	10IRE (r 0.45 100 IRE Video Output)
V Aperture	10IRE (r 0.45 100IRE Video Output)
White Clip	120 IRE Max
Pedestal	Level 7.5IRE
SYNC Level	40IRE
Burst Level	40IRE
Gamma Compensation	8 Step
Aperture	15 Step, Level adjustable 0 IRE ~ 15 IRE

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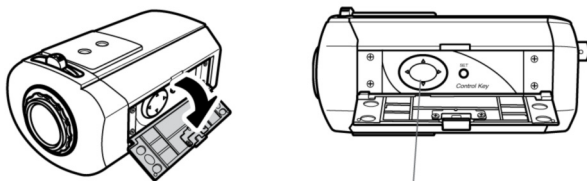
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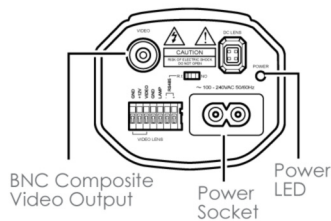
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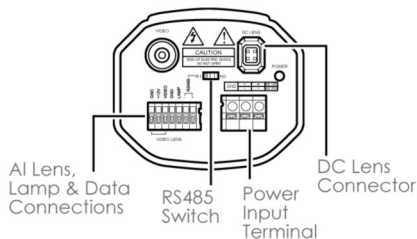
Detailed Specification



Pad for the navigation in the OSD menu



Rear Panel Connections (AC mains)



Rear Panel Connections (AC/DC low voltage)

Functional Specifications

Exposure Control	Auto Iris Lens /Auto Electronic Shutter/ Manual Electronic Shutter
Camera Configuration	On-Screen display or RS485
Auto Electronic Shutter	Auto Luminance Control 1/60 to 1/100000 Sec
Manual Electronic Shutter	8 Step; 1/50, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/5000, 1/10000
Backlight Compensation	6-Area Select and Level Adjustable Full, Center1, Centre, Doorway1, Doorway2, Two-Thirds
Auto-Iris Control	Video Drive/DC Drive Separate Output
Video Iris Output	600 mV Vp-p (100IRE Video Output)DC
DC Iris Output	1.2V at 85Ω
White Balance	Auto White Balance/Push White/ Manual White Balance
Auto White Balance Range	Standard Range: 2700°K to 9100°K
Full Application	Range 2500°K to 15000°K Max
Manual White Balance Range	1 Preset, Adjustable R Gain and B Gain
Day & Night Control	Separate Set-up configuration for Day & Night
Day & Night Switching	Mechanical-Removeable IR-Cut filter, set automatically with Fuzzy logic, manually or by external contact closure.
Infrared Acceptance	By CCD Specification (Without IR Cut filter)
Fuzzy Logic	Threshold Low/Standard/High (Stepped between 30 IRE and 80 IRE)
Duration time	5Sec, 10Sec, 20Sec, 30Sec, 60Sec
AGC Range	18 dB ~ 36dB
Colour Killer	ON/OFF/Fuzzy
SYNC System	Internal/Line Lock
Line Lock	Phase Adjust Range 0° to 270°
Frequency	Range 50Hz+/-1Hz
Remote Control	RS485 Half- Duplex, with termination switch
Camera Address	000 to 999, Address #256 for Broadcast
Text Display	16 Characters in On-line
Privacy Masking	4x Zones
Mirror Image	ON/OFF

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