

WV-CP150 Super Dynamic™ Color CCD Camera

PRODUCT FEATURES

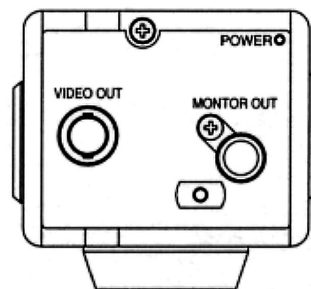
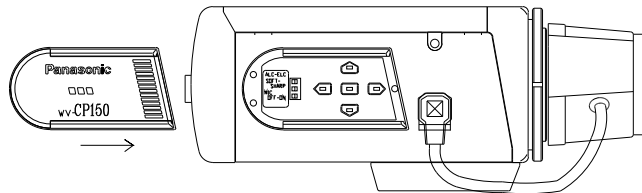
- Digital signal processing
- Single cable power, video, audio and synchronization signals
- Signals up to 890 feet when RG59U (Belden 9259 or equivalent) is used
- Power via Panasonic WV-PS11B or WV-PS104C power supplies or WV-CM143 or WV-CM146 mini system
- 1/8" interline transfer Super Dynamic CCD, 378,000 [768(H) x 492(V)] pixels
- High sensitivity 3 lux at f/1.4, 2 lux at f/1.2, 0.9 lux at f/0.75
- 480-line horizontal resolution and a S/N ratio of 50dB
- Super dynamic CCD automatically applies correct exposure patterns to bright and normal areas
- Wide dynamic range of up to 32 times
- Digital white detective ATW produces accurate colors
- User-friendly on-screen set-up
- VD2 lock for roll-free camera switching over a single coaxial cable when used with Panasonic Matrix System 500, 850 and Multiplexer System 400 or data multiplex unit WJ-MP404
- 2⁹/₁₆"H x 2⁵/₈"W x 4¹⁵/₁₆"D
- UL listed

The WV-CP150 camera incorporates a newly developed 1/8" CCD designed with a revolutionary advanced driving circuit. It also incorporates a third generation Digital Signal Processing (DSP) which achieves a much wider dynamic range.

Panasonic's innovative combination of a new 1/8" CCD and a new DSP circuit design produces a dynamic range that is an incredible 32 times greater than the dynamic range found in conventional cameras. WV-CP150 enables easy installation with single-wire (VP multiplexed) connection with exclusive monitors or power supply units. With Panasonic's Super Dynamic color camera WV-CP150 you can get satisfactory pictures under difficult lighting conditions.



Lens optional



**WV-CP150 Super Dynamic™
Color CCD Camera**

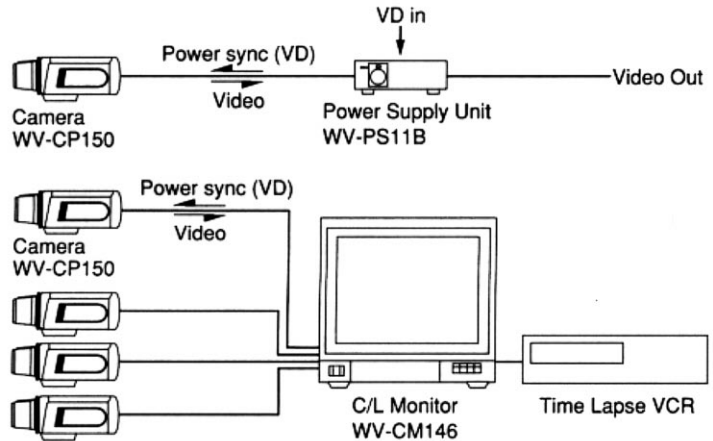
GENERAL SPECIFICATIONS

Pickup Device	768(H) x 492(V) pixels, 1/2" interline transfer Super Dynamic CCD
Scanning Area	4.9(H) x 3.7(V)mm (equivalent to scanning of 1/2" pickup tube)
Synchronization Scanning System	Multiplexed vertical drive (VD2) 2:1 interlace
Scanning	525 line/60 field/30 frame Horizontal: 15.75kHz; Vertical: 60Hz
Horizontal Resolution	480TV lines
Video Output	1.0Vp-p NTSC composite 75 ohm BNC connector
S/N Ratio	50dB (AGC off, weight on)
Electronic Light Control	Equivalent to continuous variable shutter between 1/60-1/1000 second
Minimum Illumination	3 lux (0.3 fc) at f/1.4; 2 lux (0.2 fc) at f/1.2; 0.9 lux (0.09 fc) at f/0.75
Gain Control	Selectable AGC on (14dB) or off
Automatic Light Compensation	ALC: 1:52,000/ELC, 1:10,000 selectable ALC with Super Dynamic (on/off) or ELC CS-mount
Lens Mount Function	
Camera Title	16-character display (alphabet, numeric, symbols)
Light Control	ALC (Super-D on/off)/ELC
Electronic Shutter	1/60 (off), 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10,000 second (BLC and Super-D function can not be used at same time)
AGC	On/off
White Balance	ATW (2600°K-6000°K)/AWC (2300°K-10,000°K)
Back Light Compensation	6 x 8 masking area available for BLC (BLC and Super-D function cannot be used at same time)

Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Operating Humidity	Less than 90%
Power Source	Supplied from WV-CM143, WV-CM146, WV-PS11B and WV-PS104C
Power Consumption	310mA
Dimensions	2 9/16"H x 2 5/8"W x 4 15/16"D (65 x 67 x 125.5mm)
Weight	Approx. 0.814 lbs. (370g)

Weights and dimensions shown are approximate. Specifications subject to change without notice.

SYSTEM CONFIGURATION



ARCHITECTS' AND ENGINEERS' BID SPECIFICATIONS

The digital signal processing (DSP) Super Dynamic color CCD camera shall be a Panasonic Model WV-CP150 or equivalent. The WV-CP150 camera shall incorporate a 1/2" interline transfer Super Dynamic CCD, 378,000 [768(H) x 492(V)] pixels effective, with a microlens on each pixel. The camera shall achieve high sensitivity 0.3 fc at f/1.4, 0.2 fc at f/1.2 and 0.09 fc at f/0.75, displaying outstanding 480-line horizontal resolution and a S/N ratio of 50dB. The camera's super dynamic function shall enable 32 times wider dynamic range than conventional cameras, and capture images in dark and bright areas simultaneously. The camera shall feature intelligent digital back light compensation. For better picture quality, the camera shall feature digital 2H enhancer, digital aperture correction, knee circuit and digital white detective ATW. The camera shall feature a CS-lens mount. The WV-CP150 shall offer a user-friendly on-screen set-up and adjustment of camera ID, ALC/ELC, electronic shutter speed, Auto Gain Control (AGC) plus many other features. A special menu shall allow fine adjustment of chrominance, pedestal and aperture level. The camera shall enable easy installation with single-wire (VP multiplexed) connection with the WV-CM143/CM146 monitors or WV-PS11B/PS104C power supply units, as manufactured by Panasonic. The camera synchronization shall be via VD2 (vertical drive) lock over a single coaxial cable provided by the Matrix System 500, Multiplexer System 400 or data multiplex unit WJ-MP404, as manufactured by Panasonic. VD2 shall provide roll-free picture switching. The video, camera control and synchronization signal shall be transmitted up to 3000' over coaxial cable (Belden 9259 or equivalent), when used with the Panasonic model WJ-FS616/WV-PB6164 multiplexer with control kit, Matrix System 500, Matrix System 850 and single camera controller, model WV-CU151. The scanning system shall be 2:1 interlaced. The unit must be UL listed.