

## WV-CP150 Super Dynamic™ Color CCD Camera

### PRODUCT FEATURES

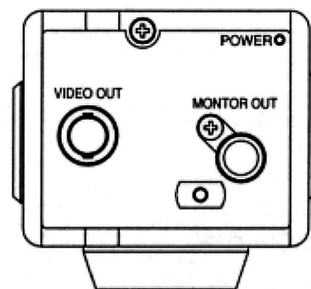
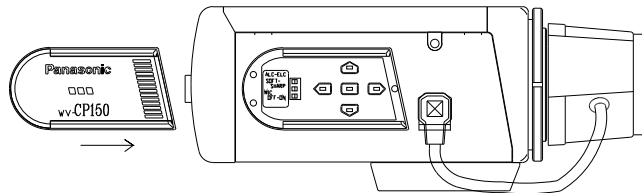
- Digital signal processing
- Single cable power, video, audio and synchronization signals
- Signals up to 890 feet when RG59U (Belden 9259 or equivalent) is used
- Power via Panasonic WV-PS11B or WV-PS104C power supplies or WV-CM143 or WV-CM146 mini system
- $\frac{1}{8}$ " interline transfer Super 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
- $2\frac{3}{16}$ "H x  $2\frac{5}{8}$ "W x  $4\frac{15}{16}$ "D
- UL listed

The WV-CP150 camera incorporates a newly developed  $\frac{1}{8}$ " 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  $\frac{1}{8}$ " 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**

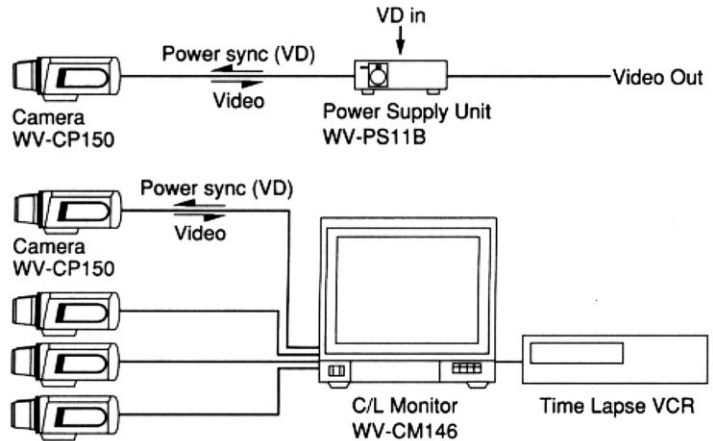
**GENERAL SPECIFICATIONS**

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

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