Compact Colour Surveillance Cameras
with Low-Light B/W Mode

WV-CP250 Series

FULL-FEATURED 24-HOUR SURVEILLANCE, SUPERB COST PERFORMANCE.

The new WV-CP250 Series from Panasonic combines full-featured 24-hour surveillance with hard-to-beat economy.

The WV-CP250 Series features Day/Night operation that automatically switches the camera from full colour operation to the black-and-white mode when illumination levels drop, which makes the unit ideal for 24-hour surveillance applications. Additional performance features include a horizontal resolution of 480 lines in colour and 570 lines in black-and-white; 50dB signal to noise ratio; an F1.4 lens perfect for low light applications; minimum illumination of only 1.0 lux in colour, and 0.15 lux in black-and-white; Back Light Compensation (BLC), Aperture Correction, Automatic Gain Control (AGC), and Automatic Tracing White Balance (ATW).

The WV-CP250 Series is the high-performance, cost-efficient choice for a wide range of CCVE applications.

KEY FEATURES
- 1/3-type CCD colour image sensor.
- Day/Night operation switches from selected colour mode to B/W mode, automatically or manually.
- Super sensitivity of 1.0 lux in colour mode, and 0.15 lux in B/W mode at F1.4.
- 480-line resolution in colour mode, and 570-line in B/W mode.
- Signal to noise ratio of 50dB.
- Built-in 16 alphanumeric character display.
- Electronic shutter from 1/50 to 1/15,000 sec.
- Built-in Back Light Compensation (BLC) mode selector.
- Digital signal processing LSI’s for high quality pictures.
- Automatic Gain Control (AGC) and Automatic Tracing White Balance (ATW).
- Highlight detail aperture correction.
- Internal or Line-lock synchronization modes.
- Multiplexed Vertical Drive (VD2) sync capability with Panasonic system products.

WIDE VARIETY OF OPTIONAL LENSES

<table>
<thead>
<tr>
<th>Auto Iris Lenses</th>
<th>High-Speed Lenses</th>
<th>Zoom Lenses</th>
<th>Vari-Focal Lenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>WV-LA2R8C3B</td>
<td>WV-LA210C3</td>
<td>WV-LZ61/10  (x10)</td>
<td>WV-LZA65/12</td>
</tr>
<tr>
<td>WV-LA4R5C3B</td>
<td>WV-LA406C3</td>
<td>WV-LZ61/15  (x15)</td>
<td>WV-LZ62/12</td>
</tr>
<tr>
<td>WV-LA49C3B</td>
<td>WV-LA906C3</td>
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<td></td>
</tr>
</tbody>
</table>

Lens: optional
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>WV-CP250T (2N-722)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pick-up Device</td>
<td>752 (H) x 582 (V) pixels, interline transfer CCD</td>
</tr>
<tr>
<td>Scanning Area</td>
<td>5.59 (H) x 4.68 (V) mm (equivalent to scanning area of 1/3&quot; pick-up tube)</td>
</tr>
<tr>
<td>Synchronization</td>
<td>Internal, Line-locked or Multiplexed Vertical Drive (VD2), selectable</td>
</tr>
<tr>
<td>Scanning System</td>
<td>x, 1 interface</td>
</tr>
<tr>
<td>Horizontal Resolution</td>
<td>565 lines</td>
</tr>
<tr>
<td>Vertical Resolution</td>
<td>50 Hz</td>
</tr>
<tr>
<td>Video Output</td>
<td>1.0V [p-p] PAL composite 75Ω/BNC connector</td>
</tr>
<tr>
<td>Signal-to-Noise Ratio</td>
<td>50dB (min) (at AGC Off, weight On)</td>
</tr>
<tr>
<td>Electronic Light Control</td>
<td>equivalent to continuous variable shutter speed between 1/50s and 1/15,000s</td>
</tr>
<tr>
<td>Minimum Illumination</td>
<td>0.1 lux at colour mode, 0.15 lux at B/W mode with F1.4 lens</td>
</tr>
<tr>
<td>Aperture</td>
<td>SHARP or SOFT, selectable</td>
</tr>
<tr>
<td>Day/Night</td>
<td>selectable COLOUR FIX (external terminal active) or AUTO</td>
</tr>
<tr>
<td>Lens Mount</td>
<td>CS-mount</td>
</tr>
<tr>
<td>Ambient Operating Temperature</td>
<td>-10° C ~ +50° C</td>
</tr>
<tr>
<td>Ambient Operating Humidity</td>
<td>less than 90%</td>
</tr>
<tr>
<td>Power Source And Power Consumption</td>
<td>220V-240V AC 50Hz, 3.9W, 12V DC 300mA, 24V AC 50Hz, 3.3W</td>
</tr>
<tr>
<td>Dimensions (without lens)</td>
<td>70(W) x 55(H) x 118(D) mm</td>
</tr>
<tr>
<td>Weights (without lens)</td>
<td>460 g, 450 g</td>
</tr>
</tbody>
</table>

**OPTIONAL COMPONENTS**

- **DIGITAL DISK RECORDER**
  - WV-HD200 (with 8ch Multiplexer)
- **DIGITAL MULTIPLEXERS**
  - WV-FS416 (16ch)
  - WV-FS409 (9ch)
- **CONTROL SYSTEM**
  - Matrix System 150
- **COLOUR MONITORS**
  - WV-CM2080 165cm CRT
  - WV-CM1780 45cm CRT
  - WV-CM1480 40cm CRT
  - WV-CM1420 37cm CRT
  - WV-CM1020 25cm CRT

**MAJOR OPERATING CONTROLS**

- Auto Iris Lens Connector
- Focus Lock Knob
- Lens (option)
- Mount Adapter
- Synchronization Mode Selector
- AGC Level Selector
- Day/Night Mode Selector
- Automatic Light Control
- Lens Drive Signal Selector
- Day/Night Input Terminal
- Video Output Connector
- Power Indicator
- Duration Time Selector
- AC Inlet Socket
- AC/DC Compatible Input Terminal

**APPEARANCE**

- Unit: mm

**SYSTEM EXAMPLES**

1. **with Panasonic Digital Disk Recorder; WJ-HD200**
   - for indoor monitoring
   - for outdoor monitoring

2. **with Panasonic Matrix System 150**
   - WV-CP250 x 16
   - PC
   - Ethernet
   - Power Indicator
   - Day/Night Input Terminal
   - AC Inlet Socket

**DISTRIBUTED BY:**

Panasonic is the brandname of Matsushita Electric.