

# Panasonic®

1/2-type CCD  
Color Surveillance Cameras  
with Low-Light B/W Mode

## WV-CL920A Series

Lens: optional



**EQUIPPED WITH AN F1.4 LENS, THESE ULTRA-SENSITIVE CAMERAS FOR 24-HOUR SURVEILLANCE DELIVER CLEAR IMAGES IN LIGHT AS LOW AS 0.01 LX(0.001 FC)\***

\*In B/W mode

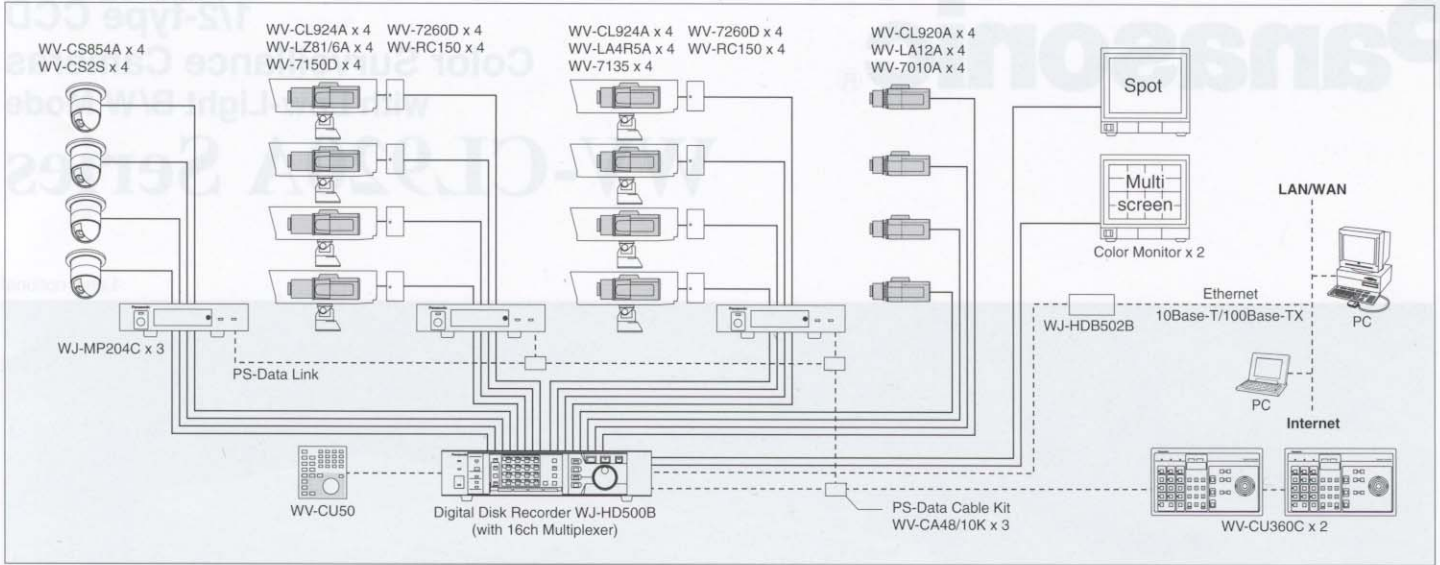
The new WV-CL920A Series combines a near-infrared CCD with a new digital signal processor (DSP). Switching automatically from color mode during the day to B/W mode at night, these cameras are ideal for 24-hour surveillance. When equipped with an F1.4 lens, they deliver clear images in light as low as 0.14 lx (0.014 fc) in color mode and as low as 0.01 lx (0.001 fc) in B/W mode. With electronic enhancement, sensitivity is up to 32 times greater than that of standard cameras. When combined with a near-infrared light source, these cameras can also be used for near-infrared (B/W) surveillance in settings with no visible light. Horizontal resolution is 480 lines in color mode, 570 lines in black and white. Many advanced features are included in the WV-CL920A including, a high-speed electronic shutter, character display, and an easy to connect alarm output terminal for use with remote sensors or other surveillance equipment.

The WV-CL920A Series is ideal for street, highway, parking lot, harbor, building exterior, and other applications that require ultra-sensitive 24-hour surveillance.

### KEY FEATURES

- 1/2-type interline transfer CCD w/infrared sensitivity.
- Switches from selected color mode to B/W mode, automatically or manually.
- Super sensitivity of 0.14 lx (0.014 fc) at F1.4 in color mode, and 0.01 lx (0.001 fc) in B/W mode.
- 480-line horizontal resolution in color mode, and 570-line in B/W mode.
- ELC function enables the use of fixed iris lens for indoor applications.
- Built-in digital motion detector.
- Built-in Alarm output terminal for external sensors.
- Built-in 16 alphanumeric character display.
- Electronic shutter from 1/60 to 1/10,000 seconds.
- Electronic sensitivity enhancement (Auto/Manual/Off)
- VD2 sync capability with Panasonic system products.
- Gen-lock capability for the large system application.
- Accepts both AC 24V & DC 12V for WV-CL924A camera model.

## SYSTEM EXAMPLE



## SPECIFICATIONS

Model No.	WV-CL920A	WV-CL924A
<b>Pick-up Device</b>	768 (H) x 494 (V) Pixels, Interline Transfer CCD	
<b>Scanning Area</b>	6.45 (H) x 4.84 (V) mm (Equivalent to 1/2" Tube)	
<b>Scanning</b>	525 lines / 60 fields / 30 frames Horizontal 15.734 kHz / Vertical 59.94 Hz	
<b>Scanning System</b>	2:1 Interlace	
<b>Synchronization</b>	Internal, Line-locked, External (VBS/VIS), or Multiplexed VD2 Selectable	
<b>Video Output</b>	1.0V[p-p] NTSC Composite / 75 Ω / BNC Connector	
<b>Horizontal Resolution</b>	480-line at Color Imaging, or 570-line at B/W mode	
<b>Minimum Illumination</b>	0.14 lx (0.014 fc) at F1.4 (at Color mode), or 0.01 lx (0.001 fc) at F1.4 (at B/W)	
<b>S/N Ratio</b>	50dB at AGC off	
<b>Video Output</b>	VBS 1.0[p-p] / 75 Ω / BNC Connector	
<b>Character Display</b>	16 Alphanumeric characters	
<b>Motion Detector</b>	On/Off selectable	
<b>Electronic Light Control</b>	Equivalent to continuous variable shutter speed between 1/60s to 1/10,000s	
<b>Electronic Sensitivity Up</b>	Off, Auto (x2, x4, x6, x10, x16, x32), Fixed (x2, x4, x6, x10, x16, x32, x64)	
<b>White Balance</b>	ATW1, ATW2, AWC selectable (setup menu)	
<b>Aperture</b>	Variable (setup menu)	
<b>Gain Control</b>	AGC On/Off selectable (setup menu)	
<b>AGC</b>	ON (DNR-H), ON (DNR-M), ON (DNR-L) or OFF selectable (setup menu)	
<b>Backlight Compensation</b>	Preset ON or OFF selectable (setup menu)	
<b>Electronic Shutter Speed</b>	1/60 (OFF), 1/100, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 s selectable	
<b>Lens Mount</b>	CS-mount	
<b>ALC Lens</b>	DC / Video Servo Selectable (setup menu)	
<b>Ambient Operating Temperature</b>	-10°C - +50°C (14°F - 122°F)	
<b>Ambient Operating Humidity</b>	Less than 90%	
<b>Power Source</b>	120V AC	AC24V / DC12V
<b>Power Consumption</b>	4.8W	4.9W / 460mA
<b>Alarm Out</b>	Collector-output OFF (Open or 4V DC - 5V DC) / ON (≤ 1V 50mA)	
<b>Day/Night In</b>	Pulled-up to 5V DC OFF (Open) / ON (0V 0.2mA)	
<b>Dimensions (W x H x D)</b>	74 x 65 x 120mm (2-15/16" x 2-9/16" x 4-3/4")	
<b>Weight (approx.)</b>	450g (0.99 lbs.) without cables	

## Wide variety of optional 1/2-type lenses for suit the any applications

<b>Auto Iris Lenses</b> WV-LA4R5A WV-LA6A WV-LA12A WV-LA18 WV-LA36	<b>Manual Iris Lens</b> WV-LM4R5A	<b>Zoom Lenses</b> WV-LZ81/6A WV-LZ83/6	<b>Variable Focal Lenses</b> WV-LZ80/2
<b>Fixed Iris Lenses</b> WV-LF6 WV-LF12			<b>Pinhole ALC Lens</b> WV-LP6

• Weights and dimensions are approximate. • Specifications are subject to change without notice. • These products may be subject to export control regulations.

# Panasonic

## Panasonic Digital Communications & Security Company

Unit Company of Matsushita Electric Corporation of America

### Security & Vision Systems Group

### Security Systems

<http://www.panasonic.com/cctv>

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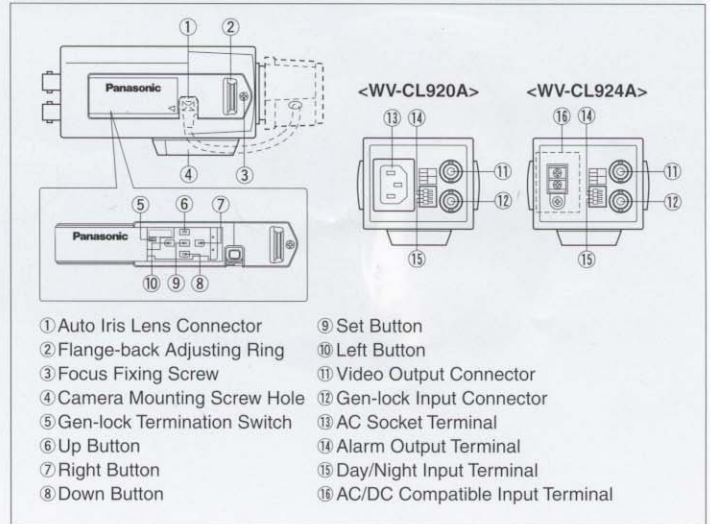
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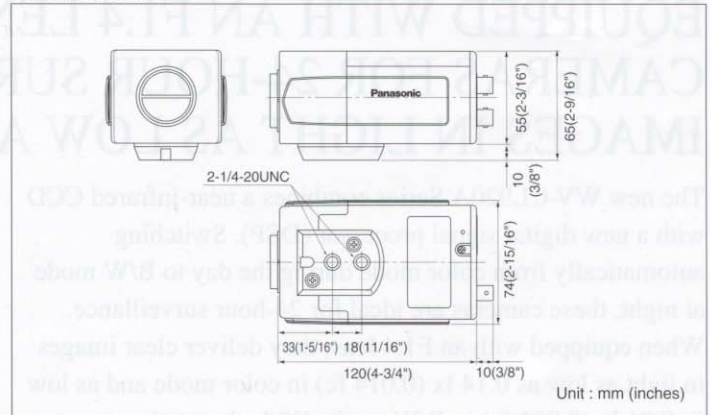
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## MAJOR OPERATING CONTROLS



## APPEARANCE



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