

1/2 inch CCD Day/Night Camera WV-CL930 Series

NTSC WV-CL930 (120 V AC) WV-CL934 (24 V AC or 12 V DC)

WV-CL930 (220 ~ 240 V AC)

WV-CL934 (24 V AC or 12 V DC)

WV-CLR930 (220 ~ 240 V AC, with RS-485 control IF only)

WV-CLR934 (24 V AC or 12 V DC, with RS-485 control IF only)



Ultra high sensitivity Day/Night Camera with ABF (Auto Back Focus) for 24 hours a day surveillance

Key Features

- 1/2 inch CCD delivers high sensitivity high quality picture.
- High resolution: 540 TV lines typical / 520 TV lines minimum (Color HIGH mode), 480 TV lines minimum (Color NORMAL mode), 570 TV lines minimum (B/W mode)
- Ultra high sensitivity with Day/Night function: 0.09 lux (Color), 0.008 lux (B/W) at F1.4. IR cut filter switches on/off to enhance the sensitivity in B/W mode.
- ABF (Auto Back Focus) ensures easy installation and stable focus in both color and B/W modes.
- Adaptive Digital Noise Reduction: Integration of 2D-DNR and 3D-DNR ensures noise reduction in various conditions.
- Peak mode enables appropriate light control to represent sharp bright object.
- BLC (Back Light Compensation): Preset/Manual (Mask 8 x 6) with Peak mode and level control
- Electronic sensitivity enhancement: Auto (Up to 32x) / Manual (Up to 128x)
- Electronic shutter from 1/100 (NTSC), 1/120 (PAL) to 1/10,000 sec.
- VMD (Video Motion Detector) with Mask 8 x 6 areas
- Scene Change Detection alarms when lens is covered, spray painted, removed or defocused.
- Day/Night input and alarm output terminals
- Auto Image Stabilizer for applications where vibration or wind is a concern.
- Function command: Various functions such as shutter speed, sensitivity enhancement level can be controlled precisely by function number with Panasonic controller.

- Internal / Line-lock / Gen-Lock (VBS/VS) / Multiplexed Vertical Drive (VD2) synchronization
- Over the coaxial cable communication (WV-CL930 Series only)
- RS-485 data communication (WV-CLR930 Series only)
- 16 alphanumerics camera title display
- Multi language: English, French, Italian, Spanish, German, Russian, Japanese

Standard Accessories

Optional Accessories

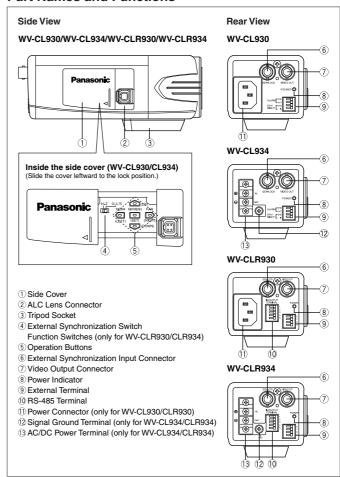


Specifications

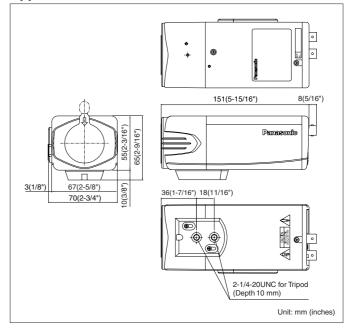
TV Syster	n	NTSC	PAL	
Camera	Image Sensor	1/2 inch interline transfer CCD	[1.1.2	
Canicia	Effective Pixels	768 (H) x 494 (V) 752 (H) x 582 (V)		
	Scanning Mode	2:1 interlace scan		
	Scanning Area	6.4 (H) x 4.8 (V) mm		
		Horizontal: 15.734 kHz	Horizontal: 15.625 kHz	
	Scanning Frequency			
	0	Vertical: 59.94 Hz	Vertical: 50.00 Hz	
	Scanning Line	525 lines	625 lines	
	Horizontal Resolution	540 TV lines typical at color high mode, 480 TV lines at color normal mode, 570 TV lines at B/W mode		
	Minimum Illumination	Color (30 IRE): 0.09 lux (SENS UP: OFF),		
		0.003 lux* (SENS UP: 32x) at F1.4		
		B/W (10 IRE): 0.008 lux (SENS UP: OFF), 0.0003 lux* (SENS UP: 32x) at F1.4		
	Signal-to-Noise Ratio	50 dB (AGC Off, Weight On)		
	White Balance	ATW1, ATW2, or AWC		
	Light Control	ALC / ALC + (Integration of ALC and ELC) / ELC with Peak mode		
	AGC	ON (adjustable), or OFF		
			Preset/Manual (Mask 8 x 6) with Peak mode and level control	
	Back Light Compensation		,	
	Electronic Shutter	OFF (1/60), 1/100, 1/250,	OFF (1/50), 1/120, 1/250,	
		1/500, 1/1,000, 1/2,000,	1/500, 1/1,000, 1/2,000,	
Input/		1/4,000, 1/10,000 s	1/4,000, 1/10,000 s	
	Electronic Sensitivity UP	OFF / AUTO (2x, 4x, 6x, 10x, 16x, 32x) /		
		FIX (2x, 4x, 6x, 10x, 16x, 32x, 64x, 128x)		
	Digital Noise Reduction	High / Mid / Low		
	Resolution Mode	Normal / High		
	Black and White Mode	Mode: AUTO1 / AUTO2 / ON / OFF,		
		Level: High / Low, with external control		
	Video Motion Detection	OFF / Mode1 (VMD) / Mode2 (Scene change), Mask 8 x 6 areas		
		Yes, Included in VMD Mode2		
	Privacy Zone	ON (Gray/Mosaic) or OFF		
	Auto Image Stabilizer	ON / OFF		
	Mirror	ON / OFF		
	Camera Title	Up to 16 characters		
	Lens Mount	CS-mount		
	Lens ALC Drive	DC / Video		
		ABF, MANUAL, AUTO / PRESET / FIX		
	Synchronization	Internal (INT), Multiplexed Vertical Drive (VD2), Line-Lock (LL), External (VBS/VS)		
	Video Output	1.0 V [p-p] / NTSC composite	1.0 V [p-p] / PAL composite	
Output	video Odipat	75 Ω / BNC Connector Multiplexed	75 Ω / BNC Connector Multiplexed	
			1	
		VD2 and control data capable	VD2 and control data capable	
		(CL model only)	(CL model only)	
	External Sync Input	Gen-Lock input		
	RS-485 Control IF	CLR model only		
	External I/O Terminals	Alarm output, Day/Night input		
General	Setup Method	OSD setup menu		
	Language	English, Russian (For setup menu and camera title),		
		German, French, Italian, Spanish (For setup menu),		
		Japanese (Only for camera title	. Setup menu will be English.)	
	Safety/EMC Standard	UL (UL60065),	CE (EN60065, EN55022 ClassB	
		FCC (Part15 ClassA),	EN55024),	
		C-UL (CAN/CSA C22.2 No.60065),	1	
		DOC (ICES003 ClassA)	,	
	Power Source and	WV-CL930:	WV-CL930 / (WV-CLR930):	
	Power Consumption	120 V AC 60 Hz: 4.6 W	220 ~ 240 V AC 50 Hz: 4.7 W (5.1 W	
	1 ower consumption	WV-CL934:	WV-CL934 / (WV-CLR934):	
		24 V AC 60 Hz: 4.0 W		
			24 V AC 50 Hz: 4.0 W (4.5 W)	
	A bis t Ov	12 V DC 350 mA	12 V DC 340 mA (410 mA)	
	Ambient Operating	-10 °C ~ +50 °C		
	Temperature	(14 °F ~ 122 °F)		
	Ambient Operating Humidity	90 % or less (without condensation)		
	Dimensions	70 mm (W) x 65 mm (H) x 151 mm (D)		
		(2-3/4" (W) x 2-9/16" (H) x 5-15/16" (D))		
	Weight (approx.)	WV-CL930: 570 g (1.25 lbs.) (without power cord)		
		WV-CL934: 560 g (1.23 lbs.)		
		WV-CLR930: 580 g (1.28 lbs.) (without power cord)		
		WV-CLR934: 570 g (1.25 lbs.)		

^{*} Estimated figure

Part Names and Functions



Appearance



- All TV pictures are simulated.
- · Weights and dimensions are approximate.
- Specifications are subject to change without notice.
- These products may be subject to export control regulations.
 All product pictures are NTSC models.

Important

Safety Precaution: carefully read the operating instructions and installation manual before using this product.

DISTRIBUTED BY:

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