

**NTSC** WV-CP480 (120 V AC)  
WV-CP484 (24 V AC or 12 V DC)

**PAL** WV-CP480 (220 ~ 240 V AC)  
WV-CP484 (24 V AC or 12 V DC)  
WV-CPR480 (220 ~ 240 V AC, with RS-485 control IF only)  
WV-CPR484 (24 V AC or 12 V DC, with RS-485 control IF only)



### Super Dynamic III Day/Night Camera with ABF (Auto Back Focus) for 24 hours a day surveillance

#### Key Features

- **Super Dynamic III** technology delivers 128x (NTSC) / 160x (PAL) wider dynamic range compared to conventional cameras.
- 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)
- High sensitivity with Day/Night function: 0.5 lux (Color), 0.06 lux (B/W) at F1.2, 0.6 lux (Color), 0.08 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.
- Electronic sensitivity enhancement: Auto (Up to 10x) / Manual (Up to 32x)
- 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.
- Internal / Line-lock / Gen-lock / Multiplexed Vertical Drive (VD2) synchronization
- Over the coaxial cable communication (WV-CP480 Series only)

- RS-485 data communication (WV-CPR480 Series only)
- 16 alphanumeric camera title display
- Multi language: English, French, Italian, Spanish, German, Russian, Chinese, Japanese

#### Standard Accessories

- |                                      |  |
|--------------------------------------|--|
| • Operating Instructions ..... 1 pc. | • AC Power Cord  |
| • ALC Lens Connector                 | (for WV-CP480/WV-CPR480) ..... 1 pc.                                   |
| (YFE4191J100) ..... 1 pc.            | • Floppy disks for RS-485 sample software (for CPR model) ..... 2 pcs. |

#### Optional Accessories

1/3 inch 2x Varifocal Lens  
**WV-LZA61/2S**  
(3.8 ~ 8 mm)  
F1.4 (Wide)  
F1.8 (Tele)



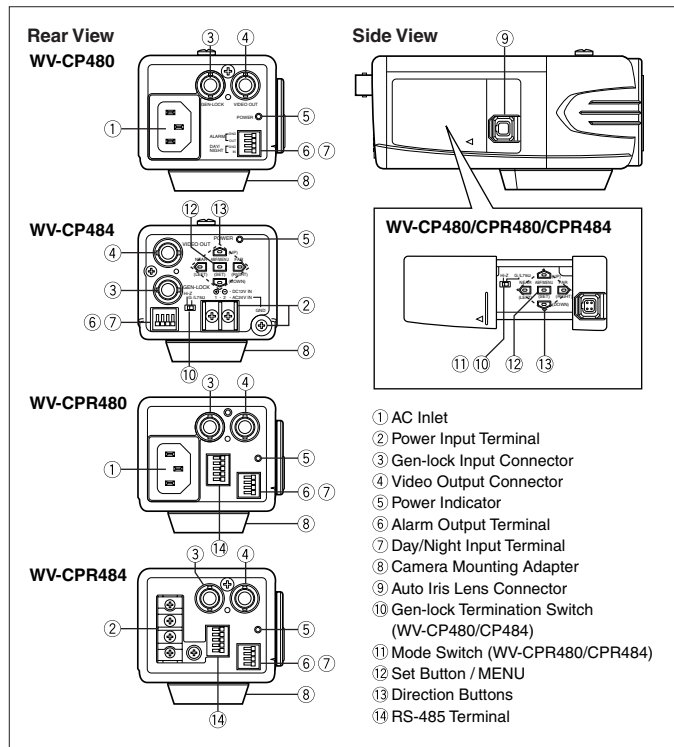
1/3 inch 8x Varifocal Lens  
**WV-LZ62/8S**  
(5 ~ 40 mm)  
F1.6 (Wide)  
F1.9 (Tele)



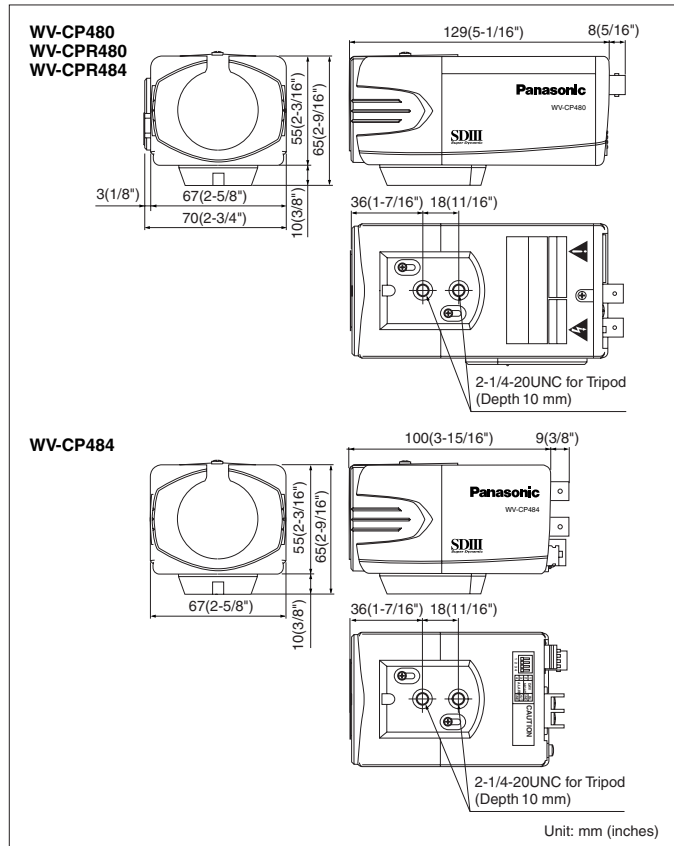
## Specifications

TV System	NTSC	PAL
<b>Camera</b>	1/3 inch interline transfer CCD	
Effective Pixels	768 (H) x 494 (V)	752 (H) x 582 (V)
Scanning Mode	2:1 interlace scan	
Scanning Area	4.8 (H) x 3.6 (V) mm	
Scanning Frequency	Horizontal: 15.734 kHz Vertical: 59.94 Hz	Horizontal: 15.625 kHz Vertical: 50 Hz
Scanning Line	525 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 (30IRE): 0.5 lux at F1.2, 0.6 lux at F1.4 (SENS UP: OFF) B/W (10IRE): 0.06 lux at F1.2, 0.08 lux at F1.4 (SENS UP: OFF)	
Signal-to-Noise Ratio	50 dB (AGC Off, Weight On)	
White Balance	ATW1, ATW2, or AWC	
Light Control	ALC / ELC	
AGC	ON (HIGH / MID / LOW), or OFF	
Super Dynamic III	ON or OFF (with BLC masking 8 x 6 areas)	
Dynamic Range	52 dB typical (Super Dynamic III ON)	54 dB typical (Super Dynamic III ON)
Electronic Shutter	OFF (1/60), 1/100, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 s	OFF (1/50), 1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 s
Electronic Sensitivity UP	OFF / AUTO (2x, 4x, 6x, 10x) / FIX (2x, 4x, 6x, 10x, 16x, 32x)	
Digital Noise Reduction	High / 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	
Scene Change Detection	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	
Back Focus Adjustment	ABF, MANUAL, AUTO / PRESET / FIX	
Synchronization	Internal (INT), Multiplexed Vertical Drive (VD2), Line-Lock (LL)	
<b>Input / Output</b>	Video Output	1.0 V [p-p] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable (CP model only)
		1.0 V [p-p] / PAL composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable (CP model only)
	RS-485 Control IF	CPR model only
	External I/O Terminals	Alarm output, Day/Night input
<b>General</b>	Setup Method	OSD setup menu
	Language	English, Russian (For setup menu and camera title), German, French, Italian, Spanish (For setup menu), Chinese, Japanese (Only for camera title. Setup menu will be English.)
	Safety/EMC Standard	UL (6500), FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA)
		CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558)
	Power Source and Power Consumption	WV-CP480: 120 V AC 60 Hz, 4.8 W WV-CP484: 24 V AC 60 Hz, 4.7 W 12 V DC, 410 mA
		WV-CPR480 / WV-CPR480: 220 ~ 240 V AC 50 Hz, 4.6 W WV-CP484 / WV-CPR484: 24 V AC 50 Hz, 4.7 W 12 V DC, 420 mA
	Ambient Operating Temperature	-10 °C ~ +50 °C (14 °F ~ 122 °F)
	Ambient Operating Humidity	90 % or less (without condensation)
	Dimensions	WV-CP480 / WV-CPR480 / WV-CPR484: 70 mm (W) x 65 mm (H) x 129 mm (D) (2-3/4" (W) x 2-9/16" (H) x 5-1/16" (D)) WV-CP484: 67 mm (W) x 65 mm (H) x 100 mm (D) (2-5/8" (W) x 2-9/16" (H) x 3-15/16" (D))
	Weight (approx.)	WV-CP480: 520 g (1.1 lbs.) (without power cord) WV-CP484: 400 g (0.9 lbs.) WV-CPR480: 530 g (1.17 lbs.) (without power cord) WV-CPR484: 530 g (1.17 lbs.)

## Part Names and Functions



## Appearance



### Trademarks and registered trademarks

– "Super Dynamic", "SDI", "SDIII" and "i-Pro" logos are trademarks or registered trademarks of Panasonic Corporation.

### Important

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

- 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.

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