

NTSC WV-CP500 (120 V AC)
WV-CP504 (24 V AC or 12 V DC)

PAL WV-CP500 (220 ~ 240 V AC)
WV-CP504 (24 V AC or 12 V DC)
WV-CP500L (220 ~ 240 V AC)
WV-CP504L (24 V AC or 12 V DC)



Super Dynamic 5 Day/Night Camera with ABS (Adaptive Black Stretch), i-VMD* (intelligent-Video Motion Detection) and ABF* (Auto Back Focus) * Except for WV-CP500L, WV-CP504L

Key Features

- **Super Dynamic 5** delivers Superior image by fusion of Super Dynamic, ABS (Adaptive Black Stretch) and i-VMD* (intelligent-Video Motion Detection) intelligence technology.
- High resolution: 650 TV lines typical (Color mode), 700 TV lines minimum (B/W mode) (WV-CP500 Series)
- High resolution: 650 TV lines typical (WV-CP500L Series)
- High sensitivity with Day/Night function: 0.1 lux (Color), 0.01 lux (B/W) at F1.4. IR cut filter switches on/off to enhance the sensitivity in B/W mode. (WV-CP500 Series)
- High sensitivity with Simple Day/Night function: 0.1 lux (Color), 0.07 lux (B/W) at F1.4 (WV-CP500L Series)
- i-VMD (intelligent-Video Motion Detection) including video motion detection, object detection (removal and left behind), scene change detection when lens is covered, spray painted, removed or defocused*
- ABF (Auto Back Focus) ensures easy installation and stable focus in both color and B/W modes.*
- 3-dimensional color conversion function for natural color reproduction even in lower color temperature situation
- Adaptive Digital Noise Reduction: Integration of 2D-DNR and 3D-DNR ensures noise reduction in various conditions.
- Electronic sensitivity enhancement: Auto (Up to 32x) / Manual (Up to 32x)
- Electronic shutter from 1/100 (NTSC), 1/120 (PAL) to 1/10,000 sec.
- Digital zoom: Up to 2x

- Alarm input* and alarm output terminals
- Auto Image Stabilizer for applications where vibration or wind is a concern
- Internal / Line-lock / Multiplexed Vertical Drive (VD2) synchronization
- Over the coaxial cable data communication
- 16 alphanumeric camera title display
- Multi language: English, French, Italian, Spanish, German, Russian, Japanese

* Except for WV-CP500L, WV-CP504L

Standard Accessories

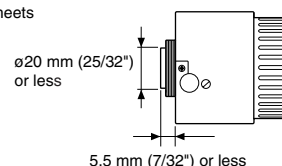
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|---------------------------------------------------------|--------------------------------------------|
| • CD-ROM (including Operating Instructions) 1 pc. | • Power Cord (for WV-CP500) 1 pc. |
| • Installation Guide 1 pc. | • Power Cord Plug (for WV-CP504) ... 1 pc. |

Compatible Panasonic lenses

WV-LZA62/2, WV-LZA61/2S, WV-LZ62/8S, WV-LZ61/15

In case of use of other lenses

Please select lenses that meets the following:



Specifications

| TV System | NTSC | PAL |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Camera | 1/3 inch interline transfer CCD | |
| Image Sensor | 1/3 inch interline transfer CCD | |
| Effective Pixels | 976 (H) x 494 (V) | 976 (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 | 625 lines |
| Horizontal Resolution | 650 TV lines typical at color mode, 700 TV lines at B/W mode | |
| WV-CP500 Series | 650 TV lines typical | |
| Minimum Illumination | | |
| WV-CP500 Series | Color: 0.1 lux (SENS UP: OFF), 0.003 lux* (SENS UP: 32x) at F1.4 B/W: 0.01 lux (SENS UP: OFF), 0.003 lux* (SENS UP: 32x) at F1.4 | |
| WV-CP500L Series | Color: 0.1 lux (SENS UP: OFF), 0.003 lux* (SENS UP: 32x) at F1.4 B/W: 0.07 lux (SENS UP: OFF), 0.002 lux* (SENS UP: 32x) at F1.4 | |
| Signal-to-Noise Ratio | 50 dB (AGC Off, Weight On) | |
| White Balance | ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K), or AWC (2,000 ~ 10,000 K) | |
| Light Control | ALC / ALC+ / ELC | |
| AGC | ON (HIGH / MID / LOW) / OFF | |
| Super Dynamic 5 | | |
| WV-CP500 Series | ON / ON (i-VMD) / OFF (with BLC masking 8 x 6 areas) | |
| WV-CP500L Series | ON / OFF (with BLC masking 8 x 6 areas) | |
| Dynamic Range | 52 dB typical (Super Dynamic 5 ON) | 54 dB typical (Super Dynamic 5 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, 16x, 32x) / FIX (2x, 4x, 6x, 10x, 16x, 32x) | |
| Digital Noise Reduction | High / Low | |
| Black and White Mode (WV-CP500 Series only) | Mode: AUTO1 / AUTO2 / ON / OFF with external control, Level: High / Low | |
| Simple Day/Night Mode (WV-CP500L Series only) | AUTO / OFF | |
| Digital Zoom | ON (up to 2x) / OFF | |
| Scene File | 2 patterns | |
| i-VMD (intelligent-Video Motion Detection) (WV-CP500 Series only) | Video Motion Detection Object Detection (Removal and Left Behind) Scene Change Detection | |
| Video Motion Detection (WV-CP500L Series only) | Video Motion Detection Scene Change Detection | |
| Privacy Zone | ON (Gray / Mosaic) or OFF | |
| Auto Image Stabilizer | ON / OFF | |
| Camera Title | Up to 16 characters | |
| Lens Mount | CS-mount | |
| Lens ALC Drive | DC | |
| Back Focus Adjustment (WV-CP500 Series only) | ABF (AUTO / PRESET / FIX), MANUAL-ADJ | |
| Synchronization | Internal (INT), Multiplexed Vertical Drive (VD2), Line-Lock (LL) | |
| Input/Output | | |
| Video Output | 1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable | 1.0 V [P-P] / PAL composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable |
| External I/O Terminals | | |
| WV-CP500 Series | ALARM IN: 1 (OFF / ALARM / VMD PERMIT / BW / SCENE2) ALARM OUT: 1 (OFF / ALARM / BW) | |
| WV-CP500L Series | ALARM OUT: 1 (OFF / ALARM) | |
| 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 is in English.) | |
| Safety/EMC Standard | UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) | CE (EN60065, EN55022 ClassB, EN55024) |
| Power Source and Power Consumption | WV-CP500: 120 V AC 60 Hz, 3.2 W WV-CP504: 24 V AC 60 Hz, 3.6 W 12 V DC, 310 mA | WV-CP500/WV-CP500L: 220 ~ 240 V AC 50 Hz, 3.7 W WV-CP504/WV-CP504L: 24 V AC 50 Hz, 3.6 W 12 V DC, 310 mA |
| Ambient Operating Temperature | -10 °C ~ +50 °C (14 °F ~ 122 °F) | |
| Ambient Operating Humidity | 90 % or less (without condensation) | |
| Dimensions | WV-CP500: 75 mm (W) x 65 mm (H) x 132.5 mm (D) WV-CP500L: (2-15/16" (W) x 2-9/16" (H) x 5-3/16" (D)) WV-CP504: 72 mm (W) x 65 mm (H) x 103.5 mm (D) WV-CP504L: (2-13/16" (W) x 2-9/16" (H) x 4-1/16" (D)) | |
| Weight (approx.) | WV-CP500: 430 g (0.95 lbs.) (without power cord) WV-CP504: 350 g (0.77 lbs.) WV-CP500L: 420 g (0.93 lbs.) (without power cord) WV-CP504L: 340 g (0.75 lbs.) | |

* Estimated figure

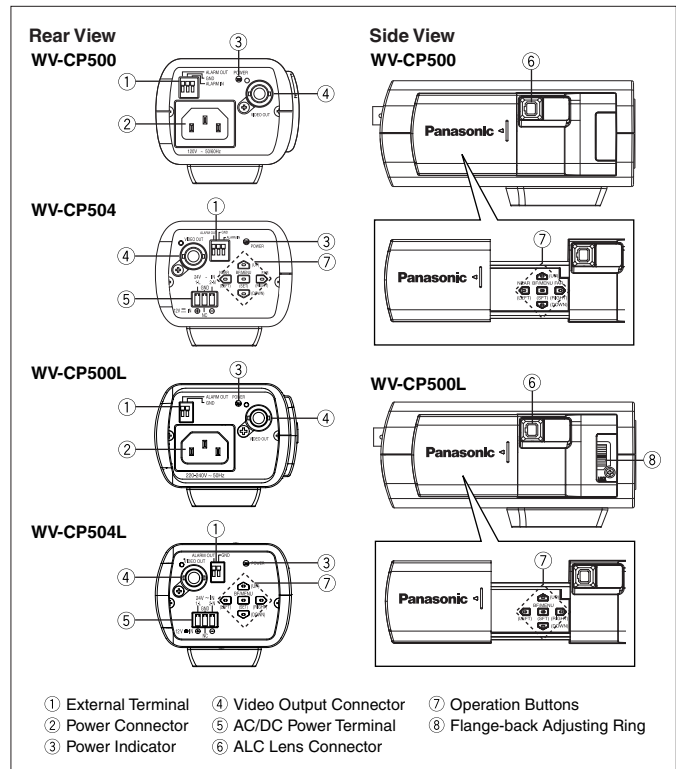
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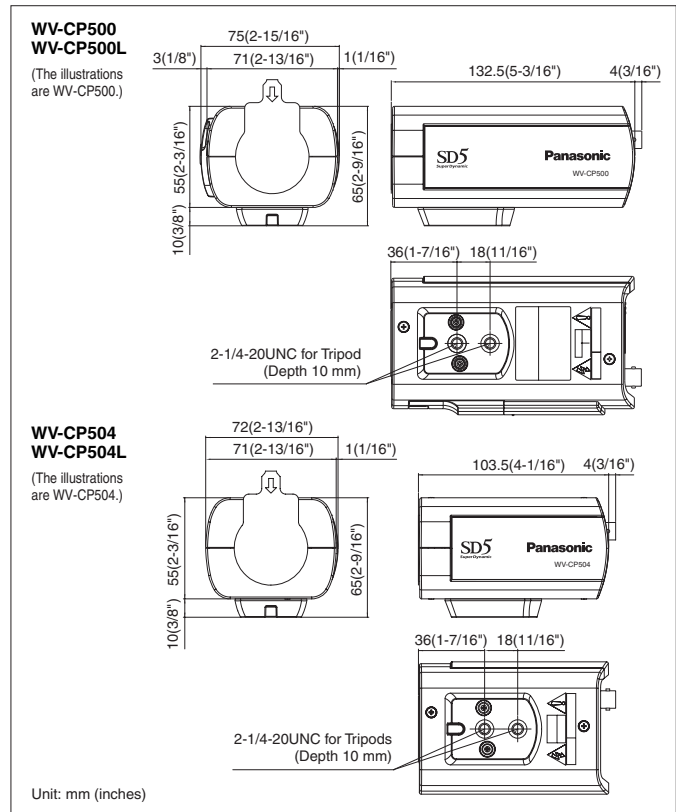
Important

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

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.

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Printed in Japan (2A-043CA)