Panasonic ideas for life

Preliminary

Super Dynamic 5 Vandal Resistant Fixed Dome Camera WV-CW500 Series

NTSC WV-CW504S (24 V AC or 12 V DC) PAL WV-CW500S (220 ~ 240 V AC)

«Smoke Dome Type» «Clear Dome Type»

WV-CW504F (24 V AC or 12 V DC)
<Smoke Dome Type>

PAL WV-CW500S (220 ~ 240 V AC) <Clear Dome Type>
WV-CW504S (24 V AC or 12 V DC)



Super Dynamic 5 Vandal Resistant Fixed Dome Camera with ABS (Adaptive Black Stretch), i-VMD (intelligent-Video Motion Detection) and ABF (Auto Back Focus)

Key Features

- Super Dynamic 5 delivers Superior image by fusion of Super Dynamic, ABS (Adaptive Black Stretch) and i-VMD (intelligent-Video Motion Detection) compensation technology.
- High resolution: 650 TV lines typical (Color mode), 700 TV lines minimum (B/W mode)
- High sensitivity with Day/Night function: 0.3 lux (Color), 0.04 lux (B/W) with clear dome cover at F1.4 (Wide). IR cut filter switches on/off to enhance the sensitivity in B/W mode.
- 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.
- 3.8 ~ 8.0 mm, 2x Varifocal Auto Iris lens with 2x digital zoom
- 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 alphanumerics camera title display
- Multi language: English, French, Italian, Spanish, German, Russian, Japanese
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- Dehumidification device for use in various weather conditions
- Vandal resistant mechanism for high reliability

- Monitor output for easier installation
- 3-way hinge (horizontal, vertical and swivel rotation) for easy installation
- 2 pcs. mounting bracket structure for easy cable connection
- Various mounting options: Flush mount (F type), Surface mount (S type), Embedded ceiling mount (with optional WV-Q169)
- Optional heater maintains operating temperature –30 °C ~ +50 °C (–22 °F ~ 122 °F)

Standard Accessories

CD-ROM (including Operating Instructions) 1 pc. Operating Instructions	Screws for mounting bracket (M4 x 8) (for WV-CW5045/CW500S) 5 pcs. Camera attachment
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Optional Accessories

Mount Bracket for WV-CW504F WV-Q115 Heater Unit WV-CW5H Clear Dome Cover WV-Q169 Clear Dome Cover WV-CW4C (NTSC only) Smoke Dome Cover WV-CW4S (PAL only)

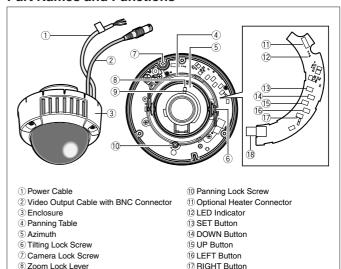
Specifications

TV Systen Type	n	NTSC	PAL	
		WV-CW504S: Surface mount type		
,,,		WV-CW504F: Flush mount type	WV-CW500S: Surface mount type	
Camera	Image Sensor	1/3 inch interline transfer CCD	TTT CTTCCCC. Carrage meant ty	
	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	11 :	
	Scanning Frequency	Horizontal: 15.734 kHz	Horizontal: 15.625 kHz	
		Vertical: 59.94 Hz	Vertical: 50 Hz	
	Scanning Line	525 lines	625 lines	
	Horizontal Resolution	650 TV lines typical at color mod		
	Minimum Illumination	Color: 0.6 lux (SENS UP: OFF),	Color: 0.3 lux (SENS UP: OF	
		0.02 lux* (SENS UP: 32x) at F1.4	0.01 lux* (SENS UP: 32x) at F1	
		B/W: 0.08 lux (SENS UP: OFF),	B/W: 0.04 lux (SENS UP: OF	
		0.003 lux* (SENS UP: 32x) at F1.4	0.0015 lux* (SENS UP: 32x) at F1	
		Will be same as PAL spec. with	,	
		WV-CW4C optional clear dome cover		
	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		
	Light Control	ALC / ALC+		
	AGC	ON (HIGH / MID / LOW), or OFF		
	Super Dynamic 5	ON / ON (i-VMD) / OFF (with BL	.C masking 8 x 6 areas)	
	Dynamic Range	52 dB typical (Super Dynamic 5 ON)	54 dB typical (Super Dynamic 5 C	
	Electronic Shutter	OFF (1/60), 1/100, 1/250, 1/500,	OFF (1/50), 1/120, 1/250, 1/50	
		1/1,000, 1/2,000, 1/4,000, 1/10,000 s		
	Electronic Sensitivity UP	OFF / AUTO (2x, 4x, 6x, 10x, 16x, 3		
	Digital Noise Reduction	Low / High		
	Black and White Mode	<u> </u>		
		Mode: AUTO1 / AUTO2 / ON / OFF		
	Digital Zoom	ON (up to 2x) / OFF		
	Scene File	2 patterns		
	i-VMD (intelligent-Video	Video Motion Detection, Object Detection		
	Motion Detection)	(Removal and Left Behind), Sce	ne Change Detection	
	Privacy Zone	ON (Gray / Mosaic) or OFF		
	Auto Image Stabilizer	ON / OFF		
	Camera Title	Up to 16 characters		
	Lens Mount	CS-mount		
		ABF (AUTO / PRESET / FIX), MANUAL-ADJ		
	Synchronization	Internal (INT), Multiplexed Vertical Drive (VD2), Line-Lock (LL		
Lens	Focal Length	3.8 ~ 8.0 mm, 2x varifocal		
	Angular Field of View	H: 35.6° (Tele) ~ 73.6° (Wide) V: 26.6° (Tele) ~ 53.4° (Wide)		
	Maximum Aperture Ratio	1 : 1.4 (Wide) 1 : 1.8 (Tele)		
	Focusing Range	1.2 m (3.9 ft.) ~ ∞		
	ALC Drive	DC		
Pan and	Panning Range	±170°		
Tilt	Tilting Range	±75°		
		±100°		
	Azimuth Range			
	Azimuth Range Video Output		1.0 V [P-P] / PAL composite	
Input /	Azimuth Range Video Output	1.0 V [P-P] / NTSC composite	1.0 V [P-P] / PAL composite	
Input /		1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector	75 Ω / BNC Connector	
Input /		1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control	75 Ω / BNC Connector Multiplexed VD2 and control	
Input /	Video Output	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable	$75~\Omega$ / BNC Connector Multiplexed VD2 and control data capable	
nput /		1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite	$75~\Omega \ / \ BNC \ Connector$ Multiplexed VD2 and control data capable $1.0~V \ [P-P] \ / \ PAL \ composite$	
Input / Output	Video Output Monitor Output	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack	$75~\Omega$ / BNC Connector Multiplexed VD2 and control data capable	
nput / 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] / NTSC composite 75 Ω / RCA Jack	$75~\Omega \ / \ BNC \ Connector$ Multiplexed VD2 and control data capable $1.0~V \ [P-P] \ / \ PAL \ composite$	
nput / Output	Video Output Monitor Output	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack	$75~\Omega \ / \ BNC \ Connector$ Multiplexed VD2 and control data capable $1.0~V \ [P-P] \ / \ PAL \ composite$	
Input / Output	Video Output Monitor Output Dehumidification Device	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack	
Input / Output	Video Output Monitor Output Dehumidification Device Setup Method	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack era title), German, French, Italian,	
Input / Output	Video Output Monitor Output Dehumidification Device Setup Method	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only	$75~\Omega/~BNC~Connector\\ Multiplexed~VD2~and~control\\ data~capable\\ 1.0~V~[P-P]/~PAL~composite\\ 75~\Omega/~RCA~Jack\\$ era title), German, French, Italian, for camera title. Setup menu is in Englis	
nput / Output	Video Output Monitor Output Dehumidification Device Setup Method Language	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA),	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack era title), German, French, Italian, for camera title. Setup menu is in Engli CE (EN60065, EN55022	
Input / Output	Video Output Monitor Output Dehumidification Device Setup Method Language	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065),	$75~\Omega / \text{BNC Connector} \\ \text{Multiplexed VD2 and control} \\ \text{data capable} \\ 1.0~\text{V [P-P] / PAL composite} \\ 75~\Omega / \text{RCA Jack} \\ \text{era title), German, French, Italian,} \\ \text{for camera title. Setup menu is in Englic CE (EN60065, EN55022 ClassB, EN55024),} \\ $	
Input / Output	Video Output Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard	1.0 V [P-P] / NTSC composite 75 \(\Omega \) / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 \(\Omega \) / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (On) UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA)	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack era title), German, French, Italian, for camera title. Setup menu is in Englic CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558)	
Input / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W**	$75~\Omega/~BNC~Connector\\ Multiplexed~VD2~and~control\\ data capable\\ 1.0~V~[P-P]/~PAL~composite\\ 75~\Omega/~RCA~Jack\\$ era title), German, French, Italian, for camera title. Setup menu is in Englis CE~(EN60065, EN55022~ClassB, EN55024), GOST~(GOST~R~51558)\\ WV-CW500S:	
nput / Output	Video Output Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard	1.0 V [P-P] / NTSC composite 75 \(\Omega \) / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 \(\Omega \) / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (On) UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA)	$75~\Omega/~BNC~Connector\\ Multiplexed~VD2~and~control\\ data~capable\\ 1.0~V~[P-P]/~PAL~composite\\ 75~\Omega/~RCA~Jack\\ $ era title), German, French, Italian, for camera title. Setup menu is in Englit. CE (EN60065, EN55022 ClassB, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220~240~V~AC 50~Hz, 5.1~W, 12~W, 12~W	
nput / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W**	$75~\Omega$ / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75~\Omega / RCA Jack era title), German, French, Italian, for camera title. Setup menu is in Englis CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220 ~ 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S:	
Input / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W**	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack era title), German, French, Italian, for camera title. Setup menu is in Englic CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW50085; WV-CW50085; 220 - 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S; 24 V AC 50 Hz, 3.4 W, 11 W	
nput / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption	1.0 V [P-P] / NTSC composite 75 \(\Omega \) / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 \(\Omega \) / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA****	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack era title), German, French, Italian, for camera title. Setup menu is in Englis CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220 – 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S: 24 V AC 50 Hz, 3.4 W, 11 W 12 V DC, 280 mA***	
nput / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W**	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack era title), German, French, Italian, for camera title. Setup menu is in Englis CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220 – 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S: 24 V AC 50 Hz, 3.4 W, 11 W 12 V DC, 280 mA***	
nput / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption	1.0 V [P-P] / NTSC composite 75 \(\Omega \) / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 \(\Omega \) / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA****	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack era title), German, French, Italian, for camera title. Setup menu is in Englis CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220 - 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S: 24 V AC 50 Hz, 3.4 W, 11 W 12 V DC, 280 mA***	
nput / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption Ambient Operating Temperature	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL6006S), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA***	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack rea title), German, French, Italian, for camera title. Setup menu is in Engli CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220 - 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S: 24 V AC 50 Hz, 3.4 W, 11 W 12 V DC, 280 mA***	
nput / Output	Video Output Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity	1.0 V [P-P] / NTSC composite 75 \(\Omega \) / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 \(\Omega \) / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA*** -10 °C ~ +50 °C (-22 °F - 122 ° -30 °C ~ +50 °C (-22 °F - 122 ° 90 % or less (without condensate)	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack era title), German, French, Italian, for camera title. Setup menu is in Englii CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220 - 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S: 24 V AC 50 Hz, 3.4 W, 11 W 12 V DC, 280 mA*** in) [F]**	
Input / Output	Video Output Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Water and Dust Resistance	1.0 V [P-P] / NTSC composite 75 \(\Omega \) / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 \(\Omega \) / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA*** -10 °C \(\times \) +50 °C (14 °F \(\times \) 122 ° 90 % or less (without condensat IP66, IEC60529 measurement s	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack era title), German, French, Italian, for camera title. Setup menu is in Englii CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220 - 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S: 24 V AC 50 Hz, 3.4 W, 11 W 12 V DC, 280 mA*** in) [F]**	
Input / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Water and Dust Resistance Impact Protection	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA*** -10 °C ~ +50 °C (14 °F ~ 122 °F -30 °C ~ +50 °C (-22 °F - 122 °F -30 °C ~ +50 °C (-22 °F - 122 °F -30 °C or less (without condensatis IF66, IEC60529 measurement s IEC 60068-2-75 test Eh, 50J	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack ra title), German, French, Italian, for camera title. Setup menu is in Englic CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW5008: 220 ~ 240 V AC 50 Hz, 5.1 W, 12 W WV-CW5048: 24 V AC 50 Hz, 3.4 W, 11 W 12 V DC, 280 mA*** (F) (F)** (F)** (Incomparison)	
Input / Output	Video Output Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Water and Dust Resistance	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA*** -10 °C ~ +50 °C (14 °F ~ 122 °F -30 °C ~ +50 °C (-22 °F - 122 '90 % or less (without condenst st IEC 60068-2-75 test Eh, 50J WV-CW504S: ø164 mm x 146 mr	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack 75 Ω / RCA Jack rera title), German, French, Italian, for camera title. Setup menu is in Englit CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220 – 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S: 24 V AC 50 Hz, 3.4 W, 11 W 12 V DC, 280 mA*** 15) 15) 15) 15) 16) 17) 18) 19 10 Internal Setup Setu	
Input / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Water and Dust Resistance Impact Protection	1.0 V [P-P] / NTSC composite 75 \(\Omega \) / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 \(\Omega \) / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA*** 12 V DC, 280 mA*** 12 V DC, 280 mA*** 15 V DC, 280 mA*** 16 SC \(\Gamma \) +50 \(\Chi \) (C22 \(\Gamma \) F - 122 \(\Gamma \) 16 SC \(\Gamma \) +50 \(\Cin \) (C22 \(\Gamma \) F - 122 \(\Gamma \) 17 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 18 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 19 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 18 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 19 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 19 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 19 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 19 SC \(\Gamma \) F SC \(\	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack rera title), German, French, Italian, for camera title. Setup menu is in Englii CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220 ~ 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S: 24 V AC 50 Hz, 3.4 W, 11 W 12 V DC, 280 mA*** (F)** ion) tandard compatible in (H), 191.5 mm (W) (Base Cover)	
nput / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Water and Dust Resistance Impact Protection	1.0 V [P-P] / NTSC composite 75 \(\Omega \) / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 \(\Omega \) / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA) UL (UL60065), FCC (Part15 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA*** 12 V DC, 280 mA*** 12 V DC, 280 mA*** 16 C60068-2*F5 test Eh, 50J WV-CW5045: \$164 mm x 146 mm (e6-7/16* x 5-3/4*) WV-CW504F:	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack ra title), German, French, Italian, for camera title. Setup menu is in Englis CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220 - 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S: 24 V AC 50 Hz, 3.4 W, 11 W 12 V DC, 280 mA*** (b) TF)** ion) tandard compatible in (H), 191.5 mm (W) (Base Cov H), 7-9/16" (W) (Base Cover)) WV-CW500S:	
nput / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Water and Dust Resistance Impact Protection	1.0 V [P-P] / NTSC composite 75 \(\Omega \) / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 \(\Omega \) / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA*** 12 V DC, 280 mA*** 12 V DC, 280 mA*** 15 V DC, 280 mA*** 16 SC \(\Gamma \) +50 \(\Chi \) (C22 \(\Gamma \) F - 122 \(\Gamma \) 16 SC \(\Gamma \) +50 \(\Cin \) (C22 \(\Gamma \) F - 122 \(\Gamma \) 17 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 18 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 19 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 18 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 19 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 19 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 19 SC \(\Gamma \) +50 \(\Gamma \) C (C22 \(\Gamma \) F - 122 \(\Gamma \) 19 SC \(\Gamma \) F SC \(\	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack rera title), German, French, Italian, for camera title. Setup menu is in Englii CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220 ~ 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S: 24 V AC 50 Hz, 3.4 W, 11 W 12 V DC, 280 mA*** (F)** ion) tandard compatible in (H), 191.5 mm (W) (Base Cover)	
nput / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Water and Dust Resistance Impact Protection	1.0 V [P-P] / NTSC composite 75 \(\Omega \) / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 \(\Omega \) / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA) UL (UL60065), FCC (Part15 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA*** 12 V DC, 280 mA*** 12 V DC, 280 mA*** 16 C60068-2*F5 test Eh, 50J WV-CW5045: \$164 mm x 146 mm (e6-7/16* x 5-3/4*) WV-CW504F:	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack rea title), German, French, Italian, for camera title. Setup menu is in Englic CE (EN60065, EN55022 ClassB, EN55022 ClassB, EN55022 NW-CW5008: 220 - 240 V AC 50 Hz, 5.1 W, 12 W WV-CW5048: 24 V AC 50 Hz, 3.4 W, 11 W 12 V DC, 280 mA*** (b) (c) (c) (d) (d) (d) (d) (d) (d) (e) (e) (e) (e) (e) (f) (f) (f) (f) (f) (f) (f) (f) (f) (f	
Input / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Water and Dust Resistance Impact Protection	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA*** 12 V DC, 280 mA*** 16 (14 °F ~ 122 °F ~ 12	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack 75 Ω / RCA Jack rea title), German, French, Italian, for camera title. Setup menu is in Englic CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220 - 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S: 24 V AC 50 Hz, 3.4 W, 11 W 12 V DC, 280 mA*** 12) (F)** ion) tandard compatible n (H), 191.5 mm (W) (Base Cover) WV-CW500S: 9164 mm x 146 mm (H), 191.5 mm (W) (Base Cover)	
Input / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Water and Dust Resistance Impact Protection	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA*** 12 V DC, 280 mA*** 16 (14 °F ~ 122 °F ~ 12	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack 76 (EN60065, EN55022 77 (GOST R 51558) 77 (GOST R 51558) 78 (GOST R 51558) 79 (GOST R 51558) 79 (GOST R 51558) 70 (GOST R 51558) 70 (GOST R 51558) 71 (GOST R 51558) 71 (GOST R 51558) 71 (GOST R 51558) 72 (GOST R 51558) 73 (GOST R 51558) 74 (GOST R 51558) 75 (GOST R 51558) 76 (GOST R 51558) 77 (GOST R 51558) 78 (GOST R 51558) 79 (GOST R 51558) 79 (GOST R 51558) 70 (GOST R 51558) 70 (GOST R 51558) 70 (GOST R 51558) 70 (GOST R 51558) 71 (GOST R 51558) 71 (GOST R 51558) 71 (GOST R 51558) 72 (GOST R 51558) 73 (GOST R 51558) 74 (GOST R 51558) 75 (GOST R 51558) 76 (GOST R 51558) 77 (GOST	
Input / Output	Monitor Output Dehumidification Device Setup Method Language Safety/EMC Standard Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Water and Dust Resistance Impact Protection	1.0 V [P-P] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / NTSC composite 75 Ω / RCA Jack Yes OSD setup menu English, Russian (For setup menu and cam Spanish (For setup menu), Japanese (Only UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) 24 V AC 60 Hz, 3.4 W, 11 W** 12 V DC, 280 mA*** 12 V DC, 280 mA*** 16 (14 °F ~ 122 °F ~ 12	75 Ω / BNC Connector Multiplexed VD2 and control data capable 1.0 V [P-P] / PAL composite 75 Ω / RCA Jack 75 Ω / RCA Jack ra title), German, French, Italian, for camera title. Setup menu is in Englis CE (EN60065, EN55022 ClassB, EN55024), GOST (GOST R 51558) WV-CW500S: 220 - 240 V AC 50 Hz, 5.1 W, 12 W WV-CW504S: 220 - 240 V AC 50 Hz, 5.1 W, 11 W 12 V DC, 280 mA*** (F) (F) ion) tandard compatible in (H), 191.5 mm (W) (Base Cover) WV-CW500S: 2164 mm x 146 mm (H), 191.5 mm (W) (Base Cover) (96-7/16" X 5-3/4" (H), 7-9/16" (W) (Base Cover)	

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Part Names and Functions

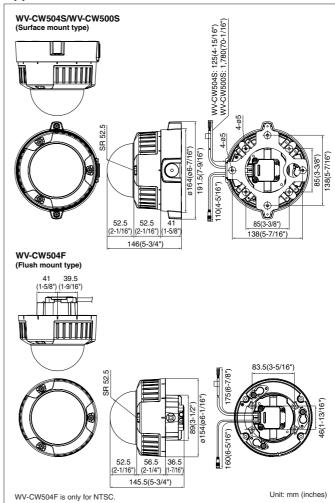


18 Monitor Output Jack

Appearance

9 Focus Lock Lever

Above illustrations are WV-CW504F (NTSC only).



- 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.
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^{*} Estimated figure ** With optional Heater Unit WV-CW5H
**** Optional Heater Unit WV-CW5H cannot be used under 12 V DC operation