Panasonic
ideas for life

Super Dynamic III
Vandal Proof Fixed Dome Network Camera

WV-NW484S

NTSC **WV-NW484S** (24V AC, 12V DC or PoE) <Smoke Dome Type>

PAL **WV-NW484S** (24V AC, 12V DC or PoE) <Clear Dome Type>

i-pro

SD III
Super Dynamic

MPEG-4 JPEG | IP66 standard | Auto Back Focus | day/night

Day/Night Network Camera with Vandal ABF and Super Dynamic III

Key Features

- Built-in MPEG-4 and JPEG digital signal output at VGA image size with up to 30 ips.
- MPEG-4/JPEG dual stream output for simultaneous live monitoring and high resolution recording.
- Progressive Output with motion adaptive interlace/progressive conversion allows every frame to be clear even when the object is moving.
- ***Super Dynamic III*** technology delivers 128x wider dynamic range compared to conventional cameras.
- High sensitivity with Day-Night function: 0.6 lux (Color), 0.08 lux (B/W) with clear dome cover.
- Adaptive Digital Noise Reduction: Selectable use of either 2D-DNR or 3D DNR ensures noise reduction in various conditions.
- 3.8 ~ 8.0mm, 2x varifocal lens with 3x digital zoom.
- Auto Back Focus (ABF) ensures easy installation and stable focus in both color and B/W modes.
- Scene Change Detection alarms when lens is covered, spray painted, removed or defocused.
- Video Motion Detector with 4 programmable detection areas and 3 sensitivity levels.
- Auto image stabilizer for applications where vibration or wind is a concern.
- Up to 32x automatic electronic sensitivity enhancement.
- SD Memory card slot for alarm recording and backup upon network failure.
- Alarm sources include Terminal input, VMD and Panasonic alarm command, and can trigger actions including SD memory recording, FTP image transfer, E-mail notification, Alarm indication, Terminal output and Panasonic protocol output.
- Built-in network interface (10Base-T / 100Base-TX).
- Power over Ethernet (PoE) IEEE 802.3af.
- Multiscreen: Images from 8 cameras can be displayed in two separate Quad screens (JPEG only)
- FTP client function enables periodic image data transfer or transfer upon alarm
- Alarm E-mail notification
- Max. bit rate/client for MPEG-4 (64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps) combined with Total bit rate control (64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps / Unlimited) allowing flexible network management.
- Supported Protocol: TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, RTP and SNMP.
- Multi-language GUI and setup menu: English, French, Italian, Spanish, German, Polish, Russian (PAL), English, French (NTSC), (Installation required except for English).
- IP66 rated water and dust resistant. IEC60529 measuring standard compatible.
- Dehumidification device for use in various weather conditions.
- Vandal proof mechanism for high reliability
- Three-way hinge (horizontal, vertical and swivel rotation) for easy installation
- Optional heater maintains operating temperature –30 °C ~ +50 °C (–22 °F ~ 122 °F) even with PoE.

Standard Accessories

- CD-ROM* ..... 1 pc.
- Operating Instructions, Basic Manual ... 1 pc.
- Label (MAC address) ..... 1 pc.

The following are for installation.

- 4-pin Alarm Cable ..... 1 pc.
- RJ-45 female-female conversion connector ..... 1 pc.
- Mounting Bracket ..... 1 pc.
- Driver Bit ..... 1 pc.
- Waterproof tape (butyl rubber tape) ... 1 pc.

* The CD-ROM contains Panasonic IP Setup Software, viewer software "Network Camera View3", and Standard Operation Manual/ Standard Setup Manual (PDF)

Optional Accessories

Heater Unit
WV-CW4H

Embedded Ceiling Mount Bracket
WV-Q169

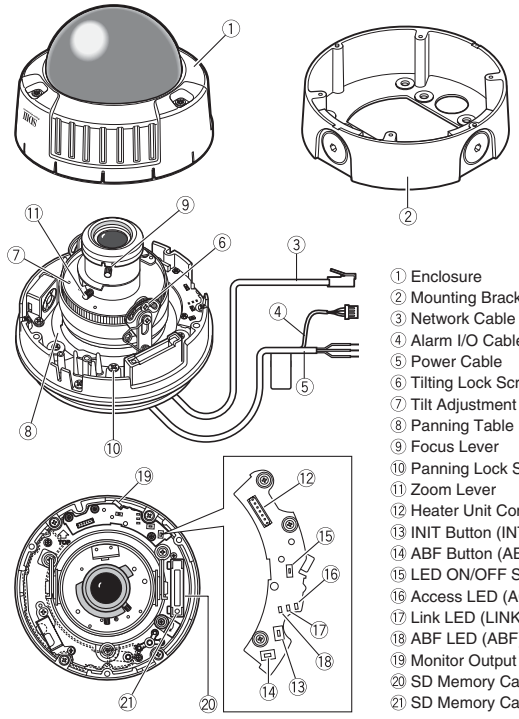
Clear Dome Cover
WV-CW4C (NTSC only)

Smoke Dome Cover
WV-CW4S (PAL only)

Specifications

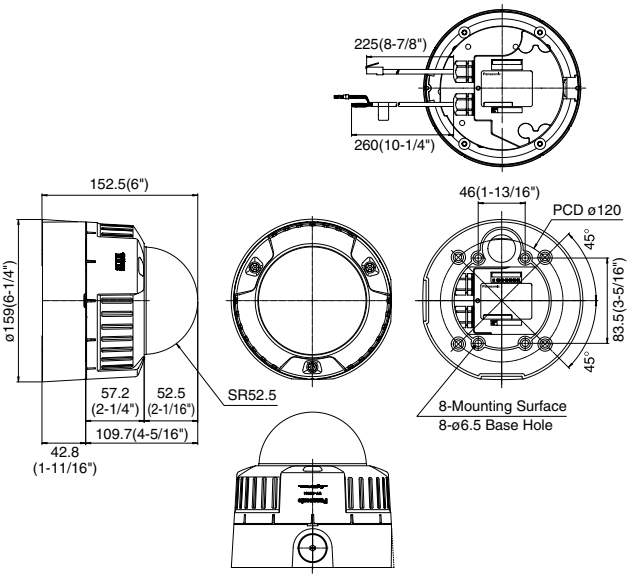
TV System		NTSC	PAL
Camera	Image Sensor	1/3-type interline transfer CCD	
	Effective Pixels	768 (H) x 494 (V)	
	Scanning Mode	2:1 interlace scan (with motion adaptive interlace/progressive conversion)	
	Scanning Area	4.8 (H) x 3.6 (V) mm	
	Minimum Illumination	Color (30IRE): 1.5 lux (Sens up: OFF), 0.046 lux (Sens up: 32x) at F1.4 B/W (10IRE): 0.16 lux (Sens up: OFF), 0.005 lux (Sens up: 32x) at F1.4 Will be same as PAL spec with WV-CW4C optional clear dome cover	Color (30IRE): 0.6 lux (Sens up: OFF), 0.019 lux (Sens up: 32x) at F1.4 B/W (10IRE): 0.08 lux (Sens up: OFF), 0.003 lux (Sens up: 32x) at F1.4
	White Balance	AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)	
	Light Control	ALC	
	AGC	ON (LOW) / ON (MID) / ON (HIGH) / OFF	
	Super Dynamic Ⅲ	ON or OFF (with BLC masking)	
	Dynamic Range	52 dB typical (Super Dynamic Ⅲ: ON, Shutter speed: OFF)	
	Electronic Shutter	OFF (1/60), AUTO, 1/100	
	Electronic Sensitivity UP	OFF / AUTO (2x, 4x, 6x, 10x, 16x, 32x)	
	Digital Noise Reduction	High / Low	
	Black and White Mode	Mode: AUTO1 / AUTO2 / ON / OFF, Level: High / Low, with external control	
	Digital Zoom	Up to 3x with Digital PAN/TILT	
	Video Motion Detector	Mode1 (Motion): 4 areas, Sensitivity: 3 levels / Mode2 (Scene): OFF, Auto suspend 2, 5, 10, 30 sec.	
	Privacy Zone	Up to 8 zones, Gray/Mosaic	
	Up Side Down	ON / OFF	
	Auto Image Stabilizer	ON / OFF	
	Camera Title	Up to 16 characters (alphanumeric characters, marks)	
	Lens Mount	CS-mount	
	Back Focus Adjustment	ABF/MANUAL, ABF mode upon CL/BW switching: AUTO / PRESET / FIX	
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)	
	Min. Object Distance	1.2 m (3.9 ft)	
Pan and Tilt	Panning Range	±175°	
	Tilting Range	±75°	
Browser GUI	Camera Control	Iris	
	Display Mode	Image from 8 cameras can be displayed in 2 different Quad screens (JPEG only). 20 characters camera title available.	
	SD Memory Data Download	Images recorded in the SD memory card can be downloaded.	
	Clock Display	Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual)	
	Alarm Control	Reset, Suspend	
	GUI/Setup Menu Language	English, French (Installation required for French)	English, French, Italian, Spanish, German, Polish, Russian (Installation required except for English.)
	System Log	Alaram log, FTP error log (SD memory required)	
	Supported OS	Microsoft Windows® 2000 Professional SP4, Microsoft Windows® XP Professional/Home SP2 English, French, Italian, Spanish, German	
	Supported Browser	Internet Explorer 7.0 Internet Explorer 6.0 SP2 (Windows® XP Home/Professional SP2) Internet Explorer 6.0 SP1 (Only Windows® 2000 Professional SP4)	
Network	Network IF	10Base-T / 100Base-TX, RJ45 connector	
	Image Resolution	VGA (640 x 480) / QVGA (320 x 240)	
	Image Compression	MPEG-4: Image quality: LOW/NORMAL/FINE, Transmission type: UNICAST/MULTICAST JPEG : Image quality: 10 steps, Transmission type: PULL/PUSH MPEG-4/JPEG dual streaming and JPEG multi-resolution supported.	
	Image Refresh Rate (JPEG)	0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5 / 6 / 10 / 15 / 30 ips (Max. rate will be 5 ips-VGA, 10 ips-QVGA when transmitting JPEG and MPEG-4 simultaneously)	
	Total Bit Rate	64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps / Unlimited	
	Max. Bit Rate/Client (MPEG-4)	64 / 128 / 256 / 512 / 1,024 / 2,048 / 4,096 kbps	
	Supported Protocol	TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTP	
	FTP Client	Alarm image transfer, Periodic image transfer	
	No. of Simultaneous Users	Up to 8 users	
	SD Memory Card (Option)	Alarm REC/Backup upon network failure. Compatible SD card: Panasonic 64MB, 128MB, 256MB, 512MB, 1GB, 2GB model. SDHC standard card not supported.	
	Alarm E-mail	Yes	
	User Registration	Up to 16 users	
	User Level	3 Levels: Administrator, Camera control, Live only	
	Security Method	User authentication (ID and Password), Host authentication (IP address)	
Alarm	Alarm Source	VMD, Command alarm, Terminal input	
	Alarm Actions	SD memory recording, E-mail notification, Indication on browser, FTP image transfer, Panasonic protocol output	
Input/ Output	EXT. Input/Output	ALARM input, ALARM output/Black and White Mode input, AUX output	
	Monitor Output	1.0 V [p-p] / 75 Ω, NTSC composite, RCA jack	1.0 V [p-p] / 75 Ω, PAL composite, RCA jack
General	Safety/EMC Standard	UL (6500 Edition2), FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA)	CE (EN55022, EN55024, ClassB), GOST (R 51558)
	Power Source	24 V AC, 60 Hz / 12 V DC / PoE (IEEE802.3af)	24 V AC, 50 Hz / 12 V DC / PoE (IEEE802.3af)
	Power Consumption	16 W (24 V AC) / 920 mA (12 V DC) / 12 W (PoE Class 0) with Optional Heater	
	Ambient Operating Temperature	–10 °C ~ +50 °C (14 °F ~ 122 °F), –30 °C ~ +50 °C (–22 °F ~ 122 °F) with Optional Heater (24 V AC/PoE)	
	Ambient Operating Humidity	90 % or less (without condensation)	
	Water and Dust Resistance	IP66 rated water and dust resistant. IEC60529 measuring standard compatible.	
	Dimensions	ø159 mm x 153 mm (H) (6-1/4" x 6-1/32")	
	Weight	approx.1.9 kg (4.18 lbs.) (with Mounting Braket)	

Major Operating Controls & Terminals



① Enclosure
② Mounting Bracket (Accessory)
③ Network Cable
④ Alarm I/O Cable
⑤ Power Cable
⑥ Tilting Lock Screw
⑦ Tilt Adjustment Seat
⑧ Panning Table
⑨ Focus Lever
⑩ Panning Lock Screw
⑪ Zoom Lever
⑫ Heater Unit Connector
⑬ INIT Button (INT)
⑭ ABF Button (ABF)
⑮ LED ON/OFF Switch Button
⑯ Access LED (ACT)
⑰ Link LED (LINK)
⑱ ABF LED (ABF)
⑲ Monitor Output Jack
⑳ SD Memory Card Slot
㉑ SD Memory Card Error LED

Appearance



Unit: mm (inches)

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– SD logo is a trademark.

Important
– Safety Precaution: carefully read the operating instructions and installation manual before using this product.
– Panasonic can not be responsible for network performance and/or other manufacturer products that reside on the network.

- All TV pictures/menu are simulated.
- Weights and dimensions are approximate.
- Specifications are subject to change without notice.
- These products may be subject to export control regulations.
- Product pictures shown in this catalog are all NTSC models.

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