

Megapixel Day/Night Fixed Dome Network Camera WV-NF302

NTSC WV-NF302 (12 V DC or PoE) PAL WV-NF302 (12 V DC or PoE) Clear Dome Type>



Metal Body Day/Night Fixed Dome Network Camera featuring a 1.3 Megapixel CCD for superior image

Key Features

- Superior image of 1,280 x 960 pixels, enhancing its identification capability
- MPEG-4/JPEG digital signal output at VGA image size with up to 30 ips
- MPEG-4 and JPEG dual stream output for simultaneous real time monitoring and high resolution recording
- Progressive output ensures clear images with less motion blur and no tearing even when the subject is moving.
- High sensitivity: 1.5 lux at F1.3 (color, wide) when used with clear dome cover
- ABS (Adaptive Black Stretch) increases visibility of subjects in dark areas without degrading image quality in bright areas by analyzing the "illumination map/signal level distribution" and adjusting gamma correction for each area separately.
- Superior color reproduction by primary (RGB) color filter
- Up to 16x automatic electronic sensitivity enhancement
- Outdoor/Indoor selectable light control modes:
 Electronic shutter and ALC lens iris control are automatically controlled depending on the mode and luminance level.
- 2.8 ~ 10 mm, 3.6x Varifocal lens built-in
- VMD (Video Motion Detector) with 4 programmable detection areas, 15 steps sensitivity level and 10 steps detection size
- Privacy Zone can mask up to 8 private areas, such as house windows and entrances/exits.
- 2x, 4x digital zoom controlled by browser
- Camera title display: Up to 20 alphanumeric characters on the browser, Up to 16 alphanumeric characters with three selectable character sizes embedded in the image
- Alarm sources including Terminal input, VMD and Panasonic alarm command can trigger actions such as SD memory recording, FTP image transfer, E-mail notification, Indication on browser, Alarm terminal output, and Panasonic protocol output.
- Full duplex bi-directional audio allows interactive communication between camera site and monitoring site.
- Image compression ratio can be changed by alarm so that higher quality image can be provided.
- Focus assist: Focus adjustment position is displayed on the screen making it simple to find the best focus position.
- Prioritized stream control: One of the video streams can be prioritized when multiple recorders or client PCs are accessing the camera so that the recorder or the client PC can maintain the frame rate.
- Multiscreen: Image from 16 cameras can be displayed in 4 different Quad screens or 16 split screen (JPEG only). 20 characters camera title is available for each camera.

- FTP client function enables periodic image data transfer or transfer upon alarm.
- SD Memory card slot for manual recording, alarm recording and backup upon network failure.
- MPEG-4 max bit rate/client and Total bit rate control allows flexible network traffic management.
 Frame rate priority mode controls bit rate and compression ratio to provide the best available frame rate.
- Alarm log, Manual REC log, FTP error log saved in the SD memory card is displayed on the browser GUI and can be downloaded to the client PC. Playback or Image data download through the log is also available.
- Multi-language GUI and setup menu: English, French, Italian, Spanish, German, Russian (PAL), English, French (NTSC), (Installation required except for English).
- Scheduling function for Alarm / VMD / Access permission
- IPv4/IPv6 protocol supported
- Analog Monitor output for easier installation
- Flexible power sources: Power over Ethernet (PoE) IEEE 802.3af or 12 V DC
- Three-way hinge (horizontal, vertical and swivel rotation) for flexible installation
- Various mounting options: Surface mount, Embedded mount (with optional WV-Q173), Mounting to a junction box (locally obtained)
- Heavy duty Metal body and polycarbonate dome cover ensure 24/7 operation.

Standard Accessories

CD-ROM* Installation Guide Code Label	1 pc.
The followings are for the instal	lation.
Power cord plug	1 pc.
Audio cable	1 pc.
Camera mount bracket	1 pc.

- Camera fixing screw (M3 x 6)
- * Panasonic IP setting software, the viewer software, the operating instructions (PDF) and the setup instructions (PDF) are included on the CD-ROM.

Optional Accessories





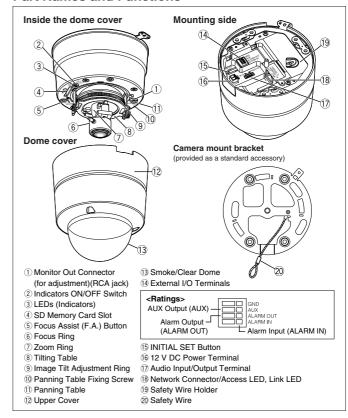
Smoke Dome Cover WV-NF5S (PAL only)

Specifications

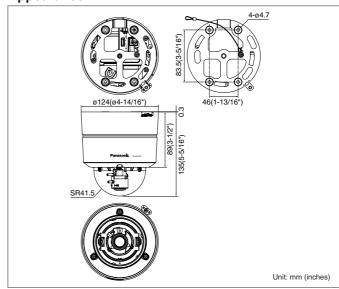
TV System		NTSC PAL		
Camera	Image Sensor	1/3 inch progressive scan CCD		
	Effective Pixels	1,296 (H) x 976 (V)		
	Scanning Mode			
	Scanning Area	4.86 mm (H) x 3.65 mm (V)		
	Minimum Illumination	Color: 3.0 lux at F1.3 (Wide, smoke dome)		
		B/W: 1.8 lux at F1.3 (Wide, smoke dome)	B/W: 0.9 lux at F1.3 (Wide, clear dome	
		Will be the same as PAL spec		
		with optional clear dome cover		
	White Balance	AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)		
	Light Control	Outdoor: Automatic integration of ALC and ELC (up to 1/2,000 sec.)		
	Pools Light Componenties	Indoor: Automatic integration of		
	Back Light Compensation AGC	ON (Auto) / OFF (with 8 x 6 mask area) ON (LOW, MID, HIGH) / OFF		
	Adaptive Black Stretch	ON / OFF		
	Electronic Sensitivity UP			
	Black and White Mode	OFF / AUTO (No IR filter moving)		
	Digital Zoom	1x, 2x, 4x, Controlled by browser GUI 4 areas, Sensitivity: 15 steps, Detection size: 10 steps Up to 8 zones, Gray/Mosaic R-gain, B-gain, Coma gain, Pedestal, Aperture (Sharpness) Up to 16 alphanumeric characters (3 selectable character size)		
	Video Motion Detection			
	Privacy Zone			
	Other Image Controls			
	Camera Title (OSD)			
	Back Focus Adjustment			
	Lens Mount	Original Original		
		-		
Lone	Synchronization Internal			
Lens	Focal Length	2.8 mm ~ 10 mm, 3.6x varifocal		
	Angular Field of View	H: 27.7° (TELE) ~ 100.3° (WIDE) V: 20.8° (TELE) ~ 73.5° (WIDE)		
		1 : 1.3 (WIDE) 1 : 3.1 (TELE)		
	Focusing Range	1.2 m ~ ∞		
Adjusting	Horizontal	180° (clockwise), 160° (counterclockwise)		
Angle	Vertical	±75°, Image tilt adjustment range: ±100°		
Browser	Camera Control	Brightness, AUX ON/OFF, Zoom (1x, 2x, 4x)		
GUI	Display Mode	Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad		
		screens or 16 split screen (JPEG only). 20 characters camera title available.		
	Digital Zoom	1x, 2x, 4x Controlled by browse		
	Camera Title	Up to 20 alphanumeric characters		
	Clock Display	ON/OFF, Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual)		
	Alarm Control	Reset		
	One Shot Capture			
		A still picture is displayed on a newly opened window.		
	Audio	Mic Input: ON/OFF, Audio Output: ON/OFF		
	GUI /	English, French	English, French, Italian, Spanish, German,	
	Setup Menu Language	(Installation required for French)		
	System Log	Up to 100 (Internal), Up to 4,000 (SD memory) error logs		
	Supported OS	Microsoft® Windows Vista® Business (32 bit) Microsoft® Windows® XP Home Edition SP2		
		Microsoft® Windows® XP Professional SP2		
	Supported Browser	Windows® Internet Explorer® 7.0 Microsoft® Internet Explorer® 6.0 SP2 (only with Microsoft® Windows® XP Home Edition SP2 or Microsoft® Windows® XP Professional SP2)		
Network	Network IF	10Base-T / 100Base-TX, RJ45 connector, IEEE 802.3af. PoE compatible		
	Image Resolution	1,280 x 960 (JPEG) / 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 and JPEG dual streaming	, JPEG multi-resolution supported	
	Image Refresh Rate	0.1 / 0.2 / 0.33 / 0.5 / 1 / 2 / 3 / 5	6 / 6 / 10 / 15 / 30 ips	
		(Frame rate of JPEG will be reduced when displaying JPEG and MPEG-4 simultaneously)		
	Audio Compression	G.726 (ADPCM) 32 kbps / 16 kbps		
	Audio Mode	OFF / Mic input / Audio output / Interacti		
	Total Bit Rate	64 / 128 / 256 / 512 / 1,024 / 2,0		
	Max Bit Rate/Client			
	(MPEG-4)	Constant bit rate mode: 64 / 128 / 256 / 512 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 kbps		
	Supported Protocol	Frame rate priority mode: 4,096 kbps / unlimited		
	Capportou i Tototoi	IPv4: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNIMP		
	ETP Client	IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SNMP		
	FTP Client	Alarm image transfer, FTP Periodic transfer, Active/Passive selectable (When the FTP		
	No. of Circuit	periodic transmission is failed, backup on an optional SD memory card is available.)		
	No. of Simultaneous Users	16 (Depend on network conditions)		
	SD Memory Card	Manual REC/Alarm REC/Backup upon network failure. Compatible SD card: Panasonic		
	(Option)	64 MB, 128 MB, 256 MB, 512 MB, 1 GB, 2 GB model. SDHC card is not supported.		
	Alarm E-mail	Up to 4 e-mail addresses		
	Schedule	Alarm, VMD, Access permission can be enabled/disabled by time schedule		
	User Registration	Up to 20 users		
	User/Host Level	3 Levels: Administrator, Camera control, Live only		
	Security Measures	User authentication (ID 1 ~ 32 digit, PW 4 ~ 32 digit), Host authentication (IP address)		
Alarm	Alarm Source			
1411111	Alarm Actions	VMD, Command alarm, Terminal input		
	AIGITI ACUUIS	SD memory recording, E-mail notification, Alarm terminal output, Indication on browser, FTP image transfer, Panasonic protocol output		
lanut /	Manitar Out			
Input /	Monitor Output	1.0 V [p-p] / 75 Ω / NTSC composite signal / RCA jack 1.0 V [p-p] / 75 Ω / PAL composite signal / RCA jack		
Output	Microphone Input	ø3.5 mm mini-jack (applicable microphone: plug-in-power type)		
		Supply voltage: 2.5 V \pm 0.5 V, Input impedance: 3 k Ω \pm 10 %		
	A 11 O : :	0.5	1 1 1 1 1 1	
	Audio Output External I/O Terminals	ø3.5 mm stereo mini-jack (line-l		

TV Systen	1	NTSC	PAL
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA),	CE (EN60065, EN55022 ClassB,
		C-UL (CAN/CSA C22.2 No.60065),	EN55024),
		DOC (ICES003 ClassA)	C-Tick
	Power Source / Consumption	12 V DC: 510 mA, PoE (IEEE802.3af): 6.4 W	
	Ambient Operating Temperature	-10 °C ~ +50 °C (14 °F ~ 122 °F)	
	Ambient Operating Humidity	90 % or less (without condensation)	
	Dimensions	ø124 mm x 135 mm (H) (ø4-14/16" x 5-5/16" (H))	
	Weight (approx.)	930 g (2.05 lbs.) (including the camera mount bracket)	

Part Names and Functions



Appearance



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External I/O Terminals 1x Alarm input, 1x Alarm output, 1x AUX output

- "Super Dynamic", "SDII", "SDIII" and "i-Pro" logos are trademarks or registered trademarks of Matsushita Electric Industrial Co., Ltd. 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 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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