

HD Fixed Dome Network Camera WV-SF336



HD/1,280 x 960 H.264 Fixed Dome Network Camera with ABF (Auto Back Focus)

Key Features

- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel high sensitivity MOS Sensor
- Multiple H.264 (High profile) streams and JPEG streams ensure simultaneous real time monitoring and high resolution recording by "UniPhier®", Panasonic's proprietary System LSI platform.
- Full frame (Up to 30 fps) transmission at 1,280 x 960 image size
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face image.
- H.264 and MPEG-4 are selectable for system migration.
- High sensitivity with Simple Day/Night function: 0.3 lx (Color), 0.2 lx (B/W) at F1.3 (Wide)
- ABF (Auto Back Focus) ensures easy installation.
- Digital Noise Reduction: 3D-DNR ensures noise reduction in various conditions
- Progressive scan ensures clear images with less motion blur and no tearing even when the subject is moving.
- Superior color reproduction by primary (RGB) color filter
- Electronic sensitivity enhancement: Auto (Up to 16x) / OFF
- Selectable light control modes: Outdoor / Indoor / Fixed electronic shutter
 Outdoor / Indoor: Electronic shutter and ALC lens iris control are
 automatically controlled depending on the mode and luminance level.
 Fixed electronic shutter: Up to 1/10,000 fixed electronic shutter can be selectable.
- VMD (Video Motion Detector) with 4 programmable detection areas,
 15 steps sensitivity level and 10 steps detection size
- Face detection function detects the position of human face and the information is sent by XML or video stream.
- Meta data for VMD is supplied to work with the WJ-ND400 playback VMD function.
- Privacy Zone can mask up to 2 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 embedded in the image
- Alarm sources including 1 terminal input, VMD and Panasonic alarm command can trigger actions such as SDHC/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.
- JPEG image compression ratio can be changed by alarm so that higher quality image can be provided.
- 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.
- SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (JPEG)
- H.264/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 specified frame rate.
- Alarm log, Manual REC log, FTP error log saved in the SDHC/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.
- Internet mode: H.264/MPEG-4 images can be transmitted over HTTP protocol.
- Multi-language GUI and setup menu: English, French, Italian, Spanish, German, Russian (PAL) / English, French (NTSC)
- * Installation required except for English
- IPv4/IPv6 protocol supported
- Analog Monitor output for easier installation
- 2.8 mm ~ 10 mm, 3.6x Varifocal Auto Iris lens
- ONVIF compliant model

Standard Accessories

• CD-ROM*1	Installation Temple Cable Tie				
The followings are for installation. Power Cord Plug	*1 The CD-ROM contains (PDFs) and different kine *2 This label may be require The network administration				

- Installation Template Label 1 pc.
 Cable Tie 2 pcs. (incl. 1 spare)
- *1 The CD-ROM contains the operating instructions (PDFs) and different kinds of tool software programs. *2 This label may be required for network management. The network administrator shall retain the code label.

Optional Accessories

Embedded Ceiling
Mount Bracket
(AV-light gray)
WV-Q168

Embedded Ceiling
Mount Bracket
(Sail white)
WV-Q174
Launches in September/2010

Ceiling Mount Bracket
WV-Q105
(PAL only)

Specifications

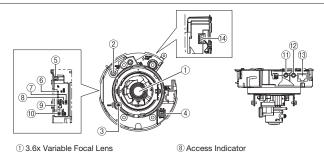
	ficatio		NTSC	DAI
TV System Camera		cor	NTSC	PAL
Camera	Image Sen		1/3 type MOS Sensor	
	Effective Pixels		Approx. 1.3 megapixel	
	Scanning Mode		Progressive scan	
	Scanning A	Area	4.8 mm (H) x 3.6 mm (V)	
	Minimum I	llumination	Color: 0.3 lx, B/W: 0.2 lx at F1.3 (Shutter: 1/30 s, AGC: High),	
			Color: 0.019 lx, B/W: 0.013 lx at F1.3 (Shutter: 16/30 s, AGC: High)	
	White Balance		AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)	
	Light Control Mode Shutter Speed		Outdoor: Automatic integration of ALC and ELC	
			Indoor [50 Hz]: Automatic integration of ALC and ELC (up to 1/100 s) Indoor [60 Hz]: Automatic integration of ALC and ELC (up to 1/120 s)	
			Fix shutter: OFF (1/30), 3/100, 3/120, 2/100, 2/120, 1/100,	
			1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000	
	Wide Dynamic Range		ON / OFF	
	Face Wide Dynamic Range		ON / OFF (Only at Wide Dynam	ic Range: ON)
	Adaptive Black Stretch		ON / OFF (Only at Wide Dynamic Range: OFF)	
	AGC		ON (LOW, MID, HIGH) / OFF	
	Electronic Sensitivity UP			
	Simple Day/Night Mode			
	Digital Noise Reduction			
	Video Motion Detection			
	Privacy Zone		Up to 2 zones, Gray	
	Camera Title (OSD)		Up to 16 alphanumeric characters	
	Back Focus Adjustment			
Lens	Vari 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)	
	Maximum Aperture Ratio			
	Maximum Aperture Ratio Focusing Range		0.3 m ~ ∞	
Adjusting		arige	Horizontal: 180° (clockwise), 170° (counter clockwise)	
Aujusting	justing Angle			
			Vertical: ±75°, Imaging tilt adjustment range: ±100°	
Browser	Camera Co		Brightness, AUX ON / OFF	
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 Zoo	m	1x, 2x, 4x controlled by browser GUI	
	Camera Title		Up to 20 alphanumeric characters	
	Clock Display		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual)	
			Reset	
	Alarm Control		A still picture will be displayed on a newly opened window.	
One Shot Capture		Japture	Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High,	
	Audio			
			Audio Output: ON / OFF Volume adjustment: Low / Middle / High	
SD Memory Data Download		Data Download		
			card can be downloaded.	
	GUI/Setup N	lenu Language	English, French	English, French, Italian,
			(Installation required for French)	Spanish, German, Russian
			·	(Installation required except for English
	System Lo	a	Up to 100 (Internal), Up to 4,000	
	System Log			
			recording format is set to JPEG.) error logs Microsoft® Windows® 7 Professional 64 bit/32 bit,	
	Supported	OS		
			Microsoft® Windows Vista® Business SP1 32 bit,	
			Microsoft® Windows® XP Professional SP3	
	Supported Browser Network IF		The language of the OS must be same as selected GUI language	
			Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit/32 bit),	
			Windows® Internet Explorer® 7.0 (Microsoft® Windows Vista® Business SP1 32 bit	
			Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Windows® XP Professional SP3)	
Moturauli			10Base-T / 100Base-TX, RJ-45 connector	
Network				
	_	1 .	H.264: 1,280 × 960 / VGA (640 × 48	
	Resolution	[4 : 3]	MPEG-4: VGA (640 × 480) / QV	
	*1 *2		JPEG: 1,280 × 960 / VGA (640 × 48	0) / QVGA (320 × 240), up to 30 fps
		Aspect ratio:	H.264: 1,280 × 720 / 640 × 360 / 320 × 180, up to 30 fps	
		[16:9]	JPEG: 1,280 × 720 / 640 × 360	/ 320 × 180, up to 30 fps
	H.264/	Transmission		
	MPEG-4	Mode	, and a second pri	•
	*1		1/3/5/7.5/10/15/20/	1/3/5/7.5/10/12/15/
	Ι΄.	Frame Rate		
		D:: D : /	30 fps	20 / 30 fps
		Bit Rate/	64 / 128 / 256 / 384 / 512 / 768	
		Client	4,096 / 8,192* kbps / Unlimited	* H.264 mode only
		Image Quality	LOW / NORMAL / FINE	
		Refresh Interval	0.2 s / 0.33 s / 0.5 s / 1 s / 2 s /	3 s / 4 s / 5 s
			UNICAST / MULTICAST	
	JPEG	Image Quality	10 steps	
	Transmission Type			
	A !:			
	Audio Compression		G.726 (ADPCM) 32 kbps / 16 kbps	
	Audio Mod	le	OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)	
	Authentica	tion for Audio	Level 1 only / Level 2 higher / All users	
	Total Bit Rate		64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited	
	Supported Protocol			
			IPv6: TCP/IP, UDP/IP, HTTP, RTP, FTP, SMTP, DNS, NTP, SNMF	
			IPv4: TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, FTP,	
			SMTP, DHCP, DNS, DDNS, NTP, SNMP	
	FTP Client		Alarm image transfer, Periodic image transfer, Active/Passive	
			selectable (When the FTP periodic transmission is failed,	
			backup on an optional SDHC/SD memory card is available.)	
	No. of Circuit	Itanaaua I Ia	Un to 14 years (Danans's	. ,

No. of Simultaneous Users Up to 14 users (Depends on network conditions)

TV Systen	n	NTSC	PAL	
Network	SDHC/SD Memory Card	H.264 recording: Manual REC / Alarm REC (Pre/Post)		
	(Option)	JPEG recording: Manual REC / Alarm REC (Post) / Backup upon		
		network failure Compatible SD (SDHC) card: Panasonic 256 MB,		
		512 MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* model * SDHC card		
	Face Detection	ON / OFF (with XML notification)		
Alarm	Alarm Source	1 terminal input, VMD, Command alarm		
	Alarm Actions	SDHC/SD memory recording, E-mail notification, Alarm terminal output,		
		Indication on browser, FTP image transfer, Panasonic protocol output		
	Alarm Log	With SDHC/SD memory card: 5,000 logs, without SDHC/SD memory card: 1,000 logs		
	Schedule	Alarm / VMD / Access permission		
Input/	Monitor Output	1.0 V [p-p] / 75 Ω,	1.0 V [p-p] / 75 Ω,	
Output	(for adjustment)	NTSC composite, RCA Jack	PAL composite, RCA Jack	
	Microphone/Line Input	MIC IN and Line IN are selectab	ole. ø3.5 mm stereo mini jack	
		(monaural input) (Applicable microphone; Plug-in power type)		
		Supply voltage: 2.5 V ±0.5 V input impedance: approx. 2 kΩ		
	Audio Output	ø3.5 mm stereo mini jack (monaural output) Line level		
	External I/O Terminals	ALARM IN, ALARM OUT, AUX OUT		
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA),	CE (EN55022 ClassB, EN55024)	
		C-UL (CAN/CSA C22.2 No.60065),		
		DOC (ICES003 ClassA)		
	Power Source and	12 V DC: 320 mA, PoE (IEEE 802.3af): 4.2 W (Class 2 de		
	Power Consumption			
	Ambient Operating	-10 °C ~ +50 °C (14 °F ~ 122 °F),		
	Temperature/Humidity	90 % or less (without condensation)		
	Dimensions	ø129.5 mm x 93 mm (H) (ø5-1/8" x 3-5/8" (H))		
	Mass (approx.)	410 g (0.9 lbs.)		

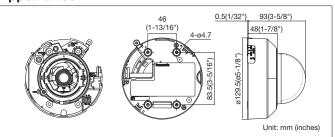
^{*1} H.264 and MPEG-4 are alternative. *2 [4 : 3] and [16 : 9] are alternative.

Part Names and Functions



- 1 3.6x Variable Focal Lens
- Monitor Out Connector for Adjustment
 Panning Table Lock Screw
- 4 12 V DC Power Cable Terminals
- ⑤ ABF Button 6 SDHC/SD Memory Card Error Indicator
- / ABF Indicator ① Link Indicator
- SDHC/SD Memory Card Slot
 - (i) INITIAL SET Button
 - 11 Audio Output Connector Microphone/Line Input Connector
 - (3) Network Connector (RJ-45)
 - (4) External I/O Terminals
- * Due to space limitation, the connector of the audio cable and network cable should be within 30 mm (1-3/16") from the connector of the camera.

Appearance



- Trademarks and registered trademarks

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- 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.
 Masses 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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