

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

Standard Accessories

CD-ROM*1	Cable Tie 2 pcs. (incl. 1 spare)
The followings are for installation. Power Cord Plug	

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

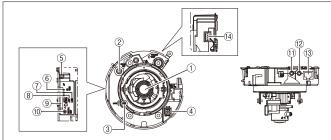
Speci	ficatio	ns			
TV System	1		NTSC	PAL	
Camera	Image Sen	sor	1/3 type MOS Sensor		
	Effective P		Approx. 1.3 megapixel		
	Scanning N		Progressive scan		
	Scanning A		4.8 mm (H) x 3.6 mm (V)		
		llumination	Color: 0.3 lx, B/W: 0.2 lx at F1.3	3 (Shutter: 1/30 s AGC: High)	
		iidiiiiiatioii			
	14/1 11 15 1		Color: 0.019 lx, B/W: 0.013 lx at F1.3 (Shutter: 16/30 s, AGC: High)		
	White Bala		AWC (2,000 ~ 10,000 K), ATW1 (2,70		
	Light Cont	rol Mode	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)		
	Shutter Sp	eed	Fix shutter: OFF (1/30), 3/100, 3	3/120, 2/100, 2/120, 1/100,	
			1/120, 1/250, 1/500, 1/1,000, 1/		
	Wide Dyna	mic Range	ON / OFF	_,,,,,	
	Face Wide Dynamic Range		, , , , , , , , , , , , , , , , , , , ,		
	<u> </u>	Black Stretch	ON / OFF (Only at Wide Dynamic Range: OFF)		
	AGC		ON (LOW, MID, HIGH) / OFF		
	Electronic Sensitivity UP		OFF / AUTO (Max. 2x (2/30 s), 4x (4/30 s), 6x (6/30 s), 10x (10/30 s), 16x (16/30 s)	
	Simple Day/Night Mode		AUTO / OFF		
	Digital Noise Reduction		High / Low		
	Video Motion Detection		•	lotootion size: 10 stops	
				etection size. To steps	
	Privacy Zo		Up to 2 zones, Gray		
	Camera Tit	tle (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)	
		Aperture Ratio			
	Focusing Range		0.3 m ~ ∞		
A aliceation or				'O° (acustor electroise)	
Adjusting	usting Angle		Horizontal: 180° (clockwise), 17		
			Vertical: ±75°, Imaging tilt adjustment range: ±100°		
Browser	Camera Co	ontrol	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 browse	r GUI	
	Camera Title Clock Display		Up to 20 alphanumeric characters		
			Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual)		
	Alarm Con		Reset		
	One Shot (Capture	A still picture will be displayed on a newly opened window.		
	Audio		Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High,		
			Audio Output: ON / OFF Volume adjustment: Low / Middle / High		
	SD Memory	Data Download	Still or motion Images recorded in the SDHC/SD memory		
	1		card can be downloaded.	•	
	GUI/Setup N	Menu Language		English, French, Italian,	
	GOI/Getup N	nenu Language			
			(Installation required for French)		
				(Installation required except for English	
	System Lo	g	Up to 100 (Internal), Up to 4,000) (SDHC/SD memory when the	
			recording format is set to JPEG	i.) error logs	
	Supported OS		Microsoft® Windows® 7 Professional 64 bit/32 bit,		
			Microsoft® Windows Vista® Business SP1 32 bit.		
			Microsoft® Windows® XP Professional SP3		
			The language of the OS must be same as selected GUI language		
		D			
	Supported	Browser	Windows® Internet Explorer® 8.0 32 bit (Microsoft® Windows® 7 64 bit/32 bit),		
			Windows® Internet Explorer® 7.0 (Micros		
			Microsoft® Internet Explorer® 6.0 SP3 (Microsoft® Windows® XP Professional SP3)		
Network	Network IF		10Base-T / 100Base-TX, RJ-45	connector	
	Image	Aspect ratio:	H.264: 1,280 × 960 / VGA (640 × 48	30) / QVGA (320 × 240), up to 30 fps	
	Resolution	[4:3]	MPEG-4: VGA (640 × 480) / QV	GA (320 × 240), up to 30 fps	
	*1 *2	[]	JPEG: 1,280 × 960 / VGA (640 × 48		
	-	A + + :			
			H.264: 1,280 × 720 / 640 × 360		
		[16 : 9]	JPEG: 1,280 × 720 / 640 × 360		
	H.264/		Constant bitrate / Framerate pri	ority	
	MPEG-4	Mode			
	*1	Frame Rate	1/3/5/7.5/10/15/20/	1/3/5/7.5/10/12/15/	
			30 fps	20 / 30 fps	
		Bit Rate/	64 / 128 / 256 / 384 / 512 / 768		
		Client	4,096 / 8,192* kbps / Unlimited		
				11.204 Hode Offiy	
		Image Quality			
			0.1 fps ~ 30 fps		
		Transmission Type	UNICAST / MULTICAST		
	JPEG	Image Quality	10 steps		
	Transmission Type				
	Audio Compression Audio Mode				
			G.726 (ADPCM) 32 kbps / 16 kbps		
			OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)		
	Authentica	tion for Audio			
	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, RT		
	Supported FIOLOCOI		IPv4: TCP/IP, UDP/IP, HTTP, F		
	ETD OF :		SMTP, DHCP, DNS, DDNS, NT		
	FTP Client		Alarm image transfer, Periodic image transfer, Active/Passive		
			selectable (When the FTP periodic transmission is failed,		
			backup on an optional SDHC/S	backup on an optional SDHC/SD memory card is available.)	
			Up to 14 users (Depends on network conditions)		

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

TV System		NTSC	PAL	
Network	SDHC/SD Memory Card	H.264 recording: Manual REC / Alarm REC (Pre/Post)		
	(Option) JPEG recording: Manual REC / Alarm REC (Post) /			
		network failure Compatible SD (SDHC) card: Panasonic 25 512 MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* model * SDH		
	Face Detection	ON / OFF (with XML notification)		
Alarm	Alarm Source	1 terminal input, VMD, Command alarm SDHC/SD memory recording, E-mail notification, Alarm terminal output Indication on browser, FTP image transfer, Panasonic protocol output		
	Alarm Actions			
	Alarm Log	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 selectable. 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 k Ω		
	Audio Output	ø3.5 mm stereo mini jack (monaural output) Line level ALARM IN, ALARM OUT, AUX OUT		
	External I/O Terminals			
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA),	0065), 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 device) -10 °C ~ +50 °C (14 °F ~ 122 °F), 90 % or less (without condensation) ø129.5 mm x 93 mm (H) (ø5-1/8" x 3-5/8" (H))		
	Power Consumption			
	Ambient Operating			
	Temperature/Humidity			
	Dimensions			
	Mass (approx.)	410 g (0.9 lbs.)		

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

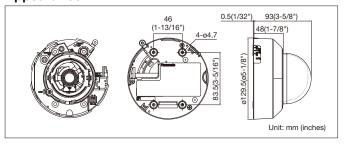
Part Names and Functions



- 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
- 7 Link Indicator

- ® Access Indicator
- SDHC/SD Memory Card Slot
- (1) INITIAL SET Button
- 1 Audio Output Connector
- 12 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



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- UniPhier is a registered trademark of Panasonic Corporation.
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- 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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