

HD Dome Network Camera WV-SF135 Dome Network Camera WV-SF132



HD/1,280 x 960 H.264 Dome Network Camera with 2x Extra Zoom (WV-SF135) VGA/640 x 480 H.264 Dome Network Camera (WV-SF132)

Key Features

- 720p HD images up to 30 fps (WV-SF135)
- 1.3 Megapixel high sensitivity MOS Sensor (WV-SF135)
- 0.32 Megapixel high sensitivity MOS Sensor (WV-SF132)
- 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 (WV-SF135)
- Full frame (Up to 30 fps) transmission at VGA (640 x 480) image size (WV-SF132)
- ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- · High sensitivity with Day & Night (Electrical) function: 0.8 lx (Color), 0.6 lx (B/W) at F2.2 (WV-SF135) 2.0 lx (Color), 1.3 lx (B/W) at F2.9 (WV-SF132)
- VIQS (Variable Image Quality on Specified area) technology allows the designated area to retain higher image quality while the excluded area will have a decreased image quality, which enables to use lower image file size and bit rate.
- 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 (WV-SF135) Auto (Up to 8x) / OFF (WV-SF132)
- 2x extra zoom under VGA resolution (WV-SF135)
- 2x, 4x digital zoom controlled by browser
- Selectable light control modes: Indoor scene (50 Hz) / Indoor scene (60 Hz) / ELC (maximum exposure time) Indoor scene (50 Hz/60Hz): Flicker caused by fluorescent lightning
 - will be automatically compensated. ELC (maximum exposure time): The lightning control will be
- automatically performed by adjusting shutter speed in the range of ELC.
- VMD (Video Motion Detection) 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 works with the WJ-ND400 playback VMD
- Privacy Zone can mask up to 2 private areas, such as house windows and entrances/exits.
- Camera title display: Up to 20 alphanumeric characters on the browser
- Alarm sources including VMD and Panasonic alarm command can trigger actions such as FTP image transfer, E-mail notification, Indication on browser, and Panasonic alarm protocol output.
- 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.
- H.264 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.
- Internet mode: H.264 images can be transmitted over HTTP protocol.
- Multi-language: English / Italian / French / German / Spanish / Russian / Chinese / Japanese
- IPv4/IPv6 protocol supported
- Supports SSL, DDNS (viewnetcam, RFC2136)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- Onvif compliant model
- Low profile design for discrete installation
- Wide coverage

WV-SF135 Horizontal: 104°, Vertical: 85° WV-SF132 Horizontal: 68°. Vertical: 53°

Standard Accessories

- Installation Guide mportant Safety Instructions • CD-ROM*1.. ...1 pc. • Code Label*2 · Lens adjuster. .1 pc.
- The followings are for installation. Installation Template Label
- *1 The CD-ROM contains the operating instructions
- and different kinds of tool software programs.

 *2 This label may be required for network management.
 The network administrator shall retain the code label.

TV System			NTSC PAL	
Camera	Image Sensor		WV-SF135: 1/3 type MOS image Sensor	
			WV-SF132: 1/5 type MOS image Sensor	
	Effective Pixels		WV-SF135: Approx. 1.3 megapixels	
			WV-SF132: Approx. 0.32 megapixels	
	Scanning Mode		Progressive scan	
	Scanning Area		WV-SF135: 4.8 mm (H) x 3.6 mm (V) (3/16" (H) x 5/32" (V))	
			WV-SF132: 2.69 mm (H) x 2.01 mm (V) (1/8" (H) x 1/16" (V))	
	Minimum I	lumination	WV-SF135:	
			Color: 0.8 lx (F2.2, Auto slow shutter: Off (1/30 s), Gain: On (High))	
			0.05 lx (F2.2, Auto slow shutter: Max. 16/30 s, Gain: On (High))	
			BW: 0.6 lx (F2.2, Auto slow shutter: Off (1/30 s), Gain: On (High))	
			0.04 lx (F2.2, Auto slow shutter: Max. 16/30 s, Gain: On (High))	
			WV-SF132:	
	White Balance		Color: 2.0 lx (F2.9, Auto slow shutter: Max. 8/30 s, AGC: High)	
			0.3 lx (F2.9, Auto slow shutter: Max. 8/30 s, AGC: High) BW: 1.3 lx (F2.9, Auto slow shutter: Max. 8/30 s, AGC: High)	
			0.16 lx (F2.9, Auto slow shutter: Max. 8/30 s, AGC: High)	
			AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)	
	Light Control Mode		Indoor scene (50 Hz / 60 Hz) / ELC	
	Shutter Speed		1/30, 3/100, 3/120, 2/100, 2/120, 1/100, 1/120, 1/250, 1/500,	
	Charter Opeea		1/1,000, 1/2,000, 1/4,000, 1/8,000 (WV-SF132), 1/10,000 (WV-SF135)	
	Adaptive Black Stretch		ON / OFF	
	AGC		ON (LOW, MID, HIGH) / OFF	
	Electronic Sensitivity		WV-SF135 : OFF (1/30) / AUTO (Max. 2x (2/30 s),	
	UP		4x (4/30 s), 6x (6/30 s), 10x (10/30 s), 16x (16/30 s))	
	1		WV-SF132 : OFF (1/30) / AUTO (Max. 2x (2/30 s),	
			3x (3/30 s), 4x (4/30 s), 8x (8/30 s)	
	Day & Night (electrical)		Auto / OFF	
		se Reduction	High / Low	
		on Detection	ON / OFF, 4 areas available	
	Privacy Zone		ON / OFF (up to 2 zones available)	
	VIQS		ON / OFF	
	Camera Title (OSD)		Up to 20 characters (alphanumeric characters, marks), ON / OFF	
Lens	Vari Focal	Length	1.95 mm	
	Zoom Rati	0	WV-SF135: 1x Extra Zoom: 2x (under VGA resolution)	
			WV-SF132: 1x	
	Angular Fie	eld of View	WV-SF135: Horizontal: 104 °, Vertical: 85 °	
			WV-SF132: Horizontal: 68 °, Vertical: 53 °	
	Maximum Aperture Ratio		1 : 2.2 (WV-SF135) 1:2.9 (WV-SF132)	
	Focusing F	Range	0.5 m ~ ∞	
Adjusting	Angle		Ceiling Installation Horizonatal: -20 $^{\circ}$ to +20 $^{\circ}$ Vertical: -20 $^{\circ}$ to +90 $^{\circ}$	
			Wall Installation Horizonatal: -80 ° to +80 ° Vertical: -90 ° to +20 °	
Browser	Camera Control		Brightness	
GUI	Display Mo	ode	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		1x, 2x, 4x controlled by browser GUI	
	Clask Disp		Up to 20 alphanumeric characters	
	Clock Disp		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual) A still picture will be displayed on a newly opened window.	
	One Shot Capture GUI/Setup Menu Language		1 1 1 1 1 1	
	System Lo		English, Italian, French, German, Spanish, Chinese, Russian, Japanese Up to 100	
			Microsoft® Windows® 7. Microsoft® Windows Vista®	
Network	Supported OS *2 *3		Microsoft® Windows® XP SP3	
	Supported Browser		Windows® Internet Explorer® 9.0 (32 bit),	
	Capportou	_,0,,00	Windows® Internet Explorer® 8.0 (32 bit),	
			Windows® Internet Explorer® 7.0 (32 bit),	
			Microsoft® Internet Explorer® 6.0 SP3	
	Network IF		10Base-T / 100Base-TX, RJ-45 connector	
	Image	Aspect ratio:	WV-SF135:	
	Resolution		H.264: 1,280 x 960 / VGA (640 x 480) / QVGA (320 x 240), up to 30 fps	
			JPEG: 1,280 x 960 / VGA (640 x 480) /QVGA (320 x 240), up to 30 fps	
			WV-SF132:	
			H.264: VGA (640 x 480) / QVGA (320 x 240), up to 30 fps	
			JPEG: VGA (640 x 480) / QVGA (320 x 240), up to 30 fps	
		Aspect ratio:	WV-SF135:	
		[16:9]	H.264: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps	
			JPEG: 1,280 x 720 / 640 x 360 / 320 x 180, up to 30 fps	
			WV-SF132:	
			H.264: 640 x 360 / 320 x 180, up to 30 fps	
			JPEG: 640 x 360 / 320 x 180, up to 30 fps	
	H.264 *1	Transmission	Constant bitrate / Framerate priority / Best effort	
		Mode		
		Frame Rate	1/3/5/7.5/10/15/20/30 fps 1/3/5/7.5/10/12/15/20/30 fps	
		Bit Rate/	64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 /	
		Client	4,096 / 8,192* kbps *H.264 mode only (WV-SF135)	
		Image Quality		
			UNICAST / MULTICAST	
	1	Type		
	JPEG *1	Image	0 SUPER FINE / 1 FINE / 2 / 3 / 4 / 5 NORMAL / 6 / 7 / 8 / 9	
	JPEG *1	Quality	LOW (10 steps: 0-9)	
	JPEG *1	Quality Refresh Interval	LOW (10 steps: 0-9) 0.1 fps ~ 30 fps	
	JPEG *1	Quality Refresh Interval	LOW (10 steps: 0-9)	

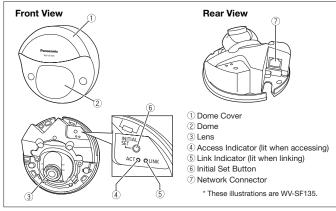
TV Systen	n	NTSC	PAL	
Network	Total Bit Rate	64 / 128 / 256 / 384 / 512 / 768 / 1,024	/ 2,048 / 4,096 / 8,192 kbps / Unlimited	
	Supported Protocol	Pv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6		
		IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,		
		FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP		
	FTP Client	Alarm image transmission, FTP periodic transmission		
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)		
	Face Detection	ON / OFF (with XML notification)		
	Cellular Phone Compatibility	JPEG image, AUX control (by access level)		
	Mobile Terminal Compatibilty	iPad, iPhone, iPod touch		
Alarm	Alarm Source	VMD, Command alarm		
	Alarm Actions	E-mail notification,Indication on browser, FTP image transfer,		
		Panasonic protocol output		
	Alarm Log	1,000 logs		
	Schedule	VMD		
General	Safety/EMC Standard	UL (UL60950-1), FCC (Part15 ClassA),	CE, IEC60950-1	
		C-UL (CAN/CSA C22.2 No.60950-1),	(EN55022 ClassB, EN55024)	
		DOC (ICES003 ClassA)		
	Power Source and	PoE (IEEE802.3af compliant)		
	Power Consumption	WV-SF135: PoE 48 V: 54 mA (Class1 device)		
		WV-SF132: PoE 48 V: 46 mA (Class1 device)		
	Ambient Operating Temperature	0 °C ~ +40 °C (32 °F ~ 104 °F)		
	Ambient Operating Humidity	Less than 90 % (no condensation)		
	Dimensions	ø100 mm x 47 mm (H) (ø3-15/16" x 5-3/4" (H))		
	Mass (approx.)	200 g (0.44 lbs.)		
	Finish	Main Body: ABS resin, Sail White		
		Dome Section: Clear Polycarbonate Resin		

- *1 Transmission for 2 streams can be individually set in the same compression method.

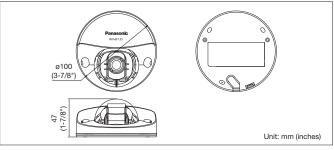
 *2 Refer to "Notes on Windows Vista® / Windows® 7" on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 7 or Microsoft® Windows Vista®.

 *3 When using IPv6 for communication, use Microsoft Windows 7 or Microsoft Windows Vista.

Part Names and Functions



Appearance



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- Safety Precaution: carefully read the operating instructions and installation manual before using this product.
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- reside on the network.
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