Panasonic

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 (wy-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 at 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
- 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 • Important Safety Instructions......1 pc. CD-ROM*1... • Code Label*2 ...
- 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

Optional Accessories

Smoke Dome Cover WV-CW6S



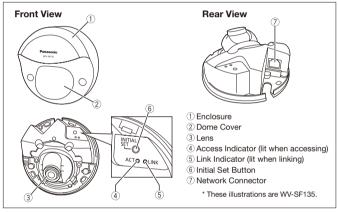
Specifications

TV Systen Camera	m Image Sensor		NTSC PAL WV-SF135: 1/3 type MOS image Sensor	
Oamera	Effective Pixels		WV-SF132: 1/5 type MOS image Sensor	
			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 Illumination		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:	
			Color: 2.0 lx (F2.9, Auto slow shutter: Off (1/30 s), Gain: On (High))	
			0.3 lx (F2.9, Auto slow shutter: Max. 8/30 s, Gain: On (High))	
			BW: 1.3 lx (F2.9, Auto slow shutter: Off (1/30 s), Gain: On (High))	
	White Balance		0.16 lx (F2.9, Auto slow shutter: Max. 8/30 s, Gain: On (High))	
	White Balance Light Control Mode		AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K) 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,	
	Chatter Opeed			
	Adaptive Black Stretch		1/1,000, 1/2,000, 1/4,000, 1/8,000 (WV-SF132), 1/10,000 (WV-SF135) ON / OFF	
	AGC		ON (LOW, MID, HIGH) / OFF	
	Electronic	Sensitivity	WV-SF135 : OFF (1/30) / AUTO (Max. 2x (2/30 s), 4x (4/30 s), 6x (6/30 s), 10x (10/30 s), 16x (16/30 s))	
	UP	Consultity		
	Day & Night (electrical)		WV-SF132: OFF (1/30) / AUTO (Max. 2x (2/30 s), 3x (3/30 s), 4x (4/30 s), 8x (8/30 s) Auto / OFF	
	Digital Noise Reduction		High / Low	
	Video Motion 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	Focal Length		1.95 mm	
	Zoom Ratio		WV-SF135: 1x Extra Zoom: 2x (at VGA resolution)	
			WV-SF132: 1x	
	Angular Field 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 Range		0.5 m ~ ∞	
Adjusting	Angle		Ceiling Installation Horizontal: -20 ° to +20 ° Vertical: -20 ° to +90 °	
_	T		Wall Installation Horizontal: -80 ° to +80 ° Vertical: -90 ° to +20 °	
Browser	Camera Control		Brightness	
GUI	Display Mode		Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad	
	Digital Zoom		screens or 16 split screen (JPEG only). 20 characters camera title available.	
	Digital Zoom		1x, 2x, 4x controlled by browser GUI	
	Camera Title Clock Display		Up to 20 alphanumeric characters Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual)	
	One Shot Capture		A still picture will be displayed on a newly opened window.	
	GUI/Setup Menu Language		English, Italian, French, German, Spanish, Russian, Chinese, Japanese	
	System Log		Up to 100	
	Supported OS *2 *3		Microsoft® Windows® 8, Microsoft® Windows® 7,	
	Supported 55		Microsoft® Windows Vista®, Microsoft® Windows® XP SP3	
	Supported Browser		Windows® Internet Explorer® 10.0 (32 bit),	
			Windows® Internet Explorer® 9.0 (32 bit),	
			Windows® Internet Explorer® 8.0 (32 bit),	
			Windows® Internet Explorer® 7.0 (32 bit),	
			Microsoft® Internet Explorer® 6.0 SP3	
Network	Network IF		10Base-T / 100Base-TX, RJ-45 connector	
	Image	Aspect ratio:	WV-SF135:	
	Resolution	[4:3]	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	
		<u> </u>	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	
		Transmission Mode	JPEG: 640 x 360 / 320 x 180, up to 30 fps Constant bitrate / Framerate priority / Best effort	
	H 264 *1		1/3/5/7.5/10/15/20/30 fps 1/3/5/7.5/10/12/15/20/30 fps	
	H.264 *1	Frame Rate		
	H.264 *1	Frame Rate Bit Rate/	64 / 128 / 256 / 384 / 512 / 768 / 1 024 / 1 536 / 2 048 / 3 072 /	
	H.264 *1	Bit Rate/		
	H.264 *1	Bit Rate/ Client	4,096 / 8,192* kbps *H.264 mode only (WV-SF135)	
	H.264 "1	Bit Rate/ Client Image Quality	4,096 / 8,192* kbps *H.264 mode only (WV-SF135) LOW / NORMAL / FINE	
	H.264 "	Bit Rate/ Client Image Quality Transmission	4,096 / 8,192* kbps *H.264 mode only (WV-SF135)	
		Bit Rate/ Client Image Quality Transmission Type	4,096 / 8,192* kbps *H.264 mode only (WV-SF135) LOW / NORMAL / FINE UNICAST / MULTICAST	
	JPEG "1	Bit Rate/ Client Image Quality Transmission Type Image	LOW / NORMAL / FINE UNICAST / MULTICAST 0 SUPER FINE / 1 FINE / 2 / 3 / 4 / 5 NORMAL / 6 / 7 / 8 / 9	
		Bit Rate/ Client Image Quality Transmission Type Image Quality	4,096 / 8,192* kbps *H.264 mode only (WV-SF135) LOW / NORMAL / FINE UNICAST / MULTICAST 0 SUPER FINE / 1 FINE / 2 / 3 / 4 / 5 NORMAL / 6 / 7 / 8 / 9 LOW (10 steps: 0-9)	
		Bit Rate/ Client Image Quality Transmission Type Image Quality Refresh Interval	4,096 / 8,192* kbps *H.264 mode only (WV-SF135) LOW / NORMAL / FINE UNICAST / MULTICAST 0 SUPER FINE / 1 FINE / 2 / 3 / 4 / 5 NORMAL / 6 / 7 / 8 / 9	

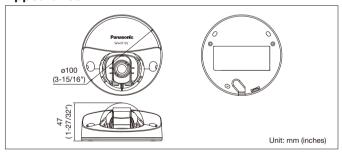
TV Systen	n	NTSC	PAL
Network	Total Bit Rate	64 / 128 / 256 / 384 / 512 / 768 / 1,024	/ 2,048 / 4,096 / 8,192 kbps / Unlimited
	Supported Protocol	Pv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6	
		IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,	
		FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP	
	FTP Client	Alarm image transmission, FTP periodic transmission	
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)	
	Cellular Phone Compatibility	JPEG image, AUX control (by access level)	
	Mobile Terminal Compatibility	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 1-27/32" (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 / Windows® 8" on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows Vista®.
 *3 When using IPv6 for communication, use Microsoft® Windows® 8 or 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.

- Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.
 - All TV pictures are simulated.
 - Masses and dimensions are approximate.
 - · Specifications are subject to change without notice.
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