

Super Dynamic HD Dome Network Camera WV-SC385



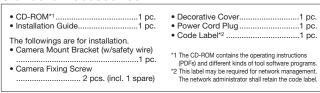
HD/1,280 x 960 H.264 Dome Network Camera featuring Super Dynamic

Key Features

- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel double speed 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
- 18x optical zoom with 12x digital zoom enabling 216x zoom.
 36x extra optical zoom under VGA resolution with 12x digital zoom enabling 432x zoom.
- Super Dynamic and ABS (Adaptive Black Stretch) technologies deliver 128x wider dynamic range compared with conventional cameras.
- Face Super Dynamic technology ensures clear face image.
- H.264 and MPEG-4 are selectable for system migration.
- High sensitivity with Day/Night function: 0.5 lx (Color), 0.06 lx (B/W) at F1.6 (Wide)
- Adaptive Digital Noise Reduction: 2D-DNR and 3D-DNR integration ensures reduced noise and motion blur in various conditions.
- 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.
- Panning with auto flip function can be performed 0 to 360 degrees.
- Auto tracking: The camera automatically pans and tilts to follow a moving subject and keep it in the center of the image.
- PTZ control can be taken on the user friendly GUI with 16 speeds pan/tilt and new "Drag and Zoom" operation enabling finer control.
 256 speeds available for system with WV-CU950 system controller.
- Up to 64 preset positions
- 360 map shot: 8 thumbnail images at 45 deg. intervals make it simple to direct the camera easily by clicking on a thumbnail.
- Industrial grade Pan/Tilt/Zoom mechanism for high reliability
- 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 8 private areas, such as house windows and entrances/exits.
- 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.
- 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
- Supports SSL, DDNS (viewnetcam, RFC2136)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- ONVIF compliant model

Standard Accessories



Optional Accessories



^{*} Not compatible with optional accessories of conventional cameras

Specifications

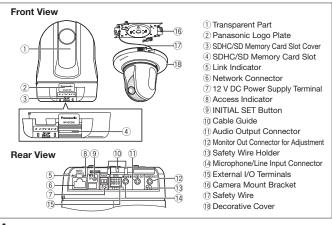
TV System			NTSC	PAL	
Camera	Imaga Sansar		1/3 type MOS Sensor	PAL	
Camera	Image Sensor Effective Pixels				
			Approx. 1.3 megapixel		
	Scanning N	Mode	Progressive scan		
	Scanning A	Area	4.8 mm (H) x 3.6 mm (V)		
	Minimum I	llumination	Color: 0.5 lx, B/W: 0.06 lx at F1.6 (Shutter: 1/30 s, AGC: High), Color: 0.031 lx, B/W: 0.004 lx at F1.6 (Shutter: 16/30 s, AGC: High), AWC (2.000 - 10.000 lX), ATW1 (2.700 - 6.000 lX), ATW2 (2.000 - 6.000 lX) at Color (2.000 lX), ATW1 (2.700 - 6.000 lX), ATW2 (2.000 - 6.000 lX), ATW2 (2.000 - 6.000 lX), ATW3 (2.000 - 6.000 lX), ATW3 (2.000 lX), ATW3 (2.000 lX), ATW3 (2.000 lX), ALC and ELC Indoor (60 Hz). Automatic integration of ALC and ELC 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 ON / OFF ON / OFF (0.01), ATW3 (0.000 lX), ATW3 (0.000		
	White Bala Light Cont				
	Shutter Sp	eed			
	Super Dyn				
	Pace Supe	lange			
	AGC	Sensitivity UP			
	Black and	White Mode se Reduction			
	Video Motion Detection Privacy Zone		4 areas, Sensitivity: 15 steps, Detection size: 10 steps Up to 8 zones, Gray / Mosaic		
	Up Side Down		ON (desktop) / OFF (ceiling) ON / OFF		
	Auto Image Stabilizer		Up to 20 alphanumeric characters (3 selectable character sizes)		
	Camera Title (OSD)			(3 selectable character sizes)	
Lens	Focal Length Zoom Ratio		4.7 mm ~ 84.6 mm 18x / 36x with extra optical zoom (under VGA)		
	Digital (Electronic) Zoom		12x (Max. 432x combined with extra		
	Angular Field of View		H: 3.2° (Tele) ~ 55.2° (Wide), V: 2.4		
	Maximum Aperture Ratio		1: 1.6 (Wide) ~ 2.8 (Tele)		
			1.5 m ~ ∞		
	Focusing Range				
	Aperture Range		F1.6 ~ 22, Close		
Pan and Tilt	Panning Range		0° ~ 350°		
	Panning Speed		Manual: approx. 0.5°/s ~ 100°/s, Up to 256 steps (depending on the controller) Preset: up to approx. 300°/s		
	Tilting Range		-30° \sim 90° (upward-level-downward) Tilting angle limit: 10° / 5° / 3° / 0° / -3° / -5° / -10° / -15° / -20° / -25° / -30°		
	Tilting Speed		Manual: approx.0.5%s – 100%s, Up to 256 steps (depending on the controller Preset: up to approx. 100%s		
	Proportional Pan/Tilt Control				
	Number of Preset Positions				
	Auto Mode		OFF / preset sequence / auto pan /	auto track	
	Image Hold		ON / OFF		
	PTZ Position Display		ON / OFF		
	Self Return		10 s / 20 s / 30 s / 1 min. / 2 min. / 3 min. / 5 min. / 10 min. / 20 min. / 30 min. / 60 min.		
	360 Pan-Flip		ON / OFF		
Browser GUI	Map Shot Camera Control		360° map shot / preset map shot		
	Display Mode		Pan/Tilt (16 steps), Zoom, Focus, Click centering, Drag zoom, Iris, Preset position call and program, Auto mode Spot, Quad: Image from 16 cameras can be displayed in 4 different Quad		
	Camera Title		screens or 16 split screen (JPEG only). 20 characters camera title available. Up to 20 alphanumeric characters		
	Clock Display		Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual/AUTO)		
	Alarm Control		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 to be downloaded.		
	GUI/Setup Menu Language		English, French (Installation required for French)	English, French, Italian, Spanish, German, Russian (Installation required except for English)	
	System Log		Up to 100 (Internal), Up to 4,000 (S	DHC/SD memory when the	
	Supported	OS	Microsoft® Windows® 7 Profession		
	Supported OS Supported Browser		Microsoft® Windows Vista® Business SP1 32 bit,		
			Microsoft® Windows® XP Professional SP3 The language of the OS must be same as selected GUI language.		
			Windows® Internet Explorer® 8.0 (Microso	ft® Windows® 7 Professional 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)		
Network	Network IF		10Base-T / 100Base-TX, RJ-45 cor		
	Image Aspect ratio:		H.264: 1,280 × 960 / 800 × 600 / VGA (64		
	Resolution *1 *2	[4:3]	MPEG-4: VGA (640 × 480) / QVGA JPEG (M-JPEG): 1,280 × 960 / 800		
		Aspest	QVGA (320 × 240), up to 30 fps	20 100 up to 20 f	
		Aspect ratio: [16:9]	H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (M-JPEG): 1,280 × 720 / 640		
	H.264/	Transmission Mode	Constant bitrate / Framerate priorit	y / Best effort	
	MPEG-4 *1	Frame Rate Bit Rate/Client	1/3/5/7.5/10/15/20/30 fps 1/3/5/7.5/10/12/15/20/30 64/128/256/384/512/768/1,024/1,536/2,048/3,072/		
		Image Quality	4,096 / 8,192* kbps / Unlimited * F LOW / NORMAL / FINE	1.264 mode only	
		Refresh Interval	0.1 fps ~ 30 fps UNICAST / MULTICAST		
	JPEG Image Quality		10 steps		
	(M-JPEG)		PULL / PUSH		
			G.726 (ADPCM) 32 kbps / 16 kbps	G 711 64 khns	
	Audio Compression				
	Audio Mode		OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex		
	Authentication for Audio		Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1 024 / 2 048 / 4 096 / 8 192 kbps / Unlimited		
	Total Bit Rate Supported Protocol		64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6		
	Supported	Protocol	IPv4: TCP/IP, UDP/IP, HTTP, HTTF	PS, RTSP, RTP, RTP/RTCP,	
			FTP, SMTP, DHCP, DNS, DDNS, N		

FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP

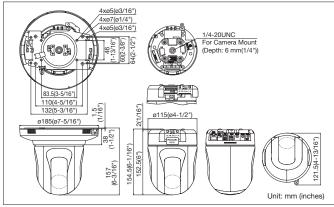
TV System		NTSC	PAL	
Network	FTP Client	Alarm image transfer, Periodic image transfer (When the FTP periodic transmission		
		is failed, backup on an optional SDHC/SD memory card is available.)		
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)		
	SDHC/SD Memory Card	H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC		
	(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)		
	Cellular Phone Compatibility	JPEG image, panning/tilting/zoom control, AUX control (by access level)		
Alarm	Alarm Source	3x Terminal inputs, VMD, Command alarm		
	Alarm Actions	SD memory recording, E-mail notification, Indication on browser,		
		Camera positioning, Preset position 1 ~ 64, FTP image transfer,		
		Terminal output, Panasonic protocol output, Auto track		
	Alarm Log	With SD memory card: 5,000 logs, Without SD memory card: 1,000 logs		
	Schedule	Alarm/VMD/Access permission, Preset position call, Position refresh,		
		H.264 recording		
Input /	Monitor Output	1.0 V [p-p] / 75 Ω, NTSC composite,	1.0 V [p-p] / 75 Ω, PAL composite	
Output	(for adjustment)	ø3.5 mm mini jack	ø3.5 mm mini jack	
	Microphone/Line Input	MIC IN and Line IN are selectable. Ø3.5 mm monaural mini jack		
		(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 1 / DAY/NIGHT IN, ALARM IN 2 / ALARM OUT,		
		ALARM IN 3 / AUX OUT (x1 each)		
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA),	CE (EN60065, EN55022 ClassB,	
		C-UL (CAN/CSA C22.2 No.60065),	EN55024), GOST (GOST R 51558)	
		DOC (ICES003 ClassA)		
	Power Source/	12 V DC: approx. 1,000 mA,		
	Consumption	PoE: approx.12.0 W (IEEE802.3af compliant, Class 0 device)		
	Ambient Operating	−10 °C ~ +50 °C (14 °F ~ 122 °F),		
	Temperature/Humidity	90 % or less (without condensation)		
	Dimensions	ø115 mm x 155 mm (H) (ø4-17/32" x 6-3/32" (H)) (excluding the 12 V DC power cord plug)		
	Mass (approx.)	900 g (1.99 lbs.)		

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

Part Names and Functions



Appearance



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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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