Panasonic

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 at 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
- 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
- Fog compensation

Standard Accessories

CD-ROM*1 Installation Guide		
Camera Mount Bracket (w/safety wire)		Power Cord Plug1 pc.
*2 This label may be required for network management. The network administrator shall retain the code label.	Camera Mount Bracket (w/safety wire) 1 pc. Camera Fixing Screw	*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.

Optional Accessories



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

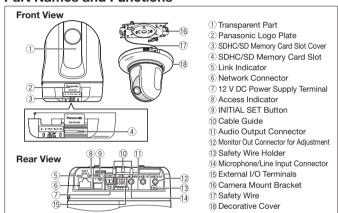
Specifications

Camera			NTSC	PAL	
	Image Sen		1/3 type MOS Sensor		
	Effective Pixels		Approx. 1.3 megapixel Progressive scan		
	Scanning Mode Scanning Area Minimum Illumination		•		
			4.8 mm (H) x 3.6 mm (V) 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)		
White Balance					
	Light Cont	rol Mode	AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 Indoor scene (50 Hz / 60 Hz) / Outdoor scene / Fix shutter		
	Shutter Sp		Fix shutter: OFF (1/30), 3/100, 3/1: 1/120, 1/250, 1/500, 1/1,000, 1/2,0		
	Super Dyn Face Supe		On/Off On/Off (only when Super Dynamic		
	Dynamic R Adaptive B	lange Black Stretch	52 dB typical (Super Dynamic : On On/Off	, Light Control mode : Indoor)	
	AGC		On (Low) / On(Mid), On(High) / Off		
		Sensitivity UP White Mode	OFF, max. 2/30 s, max. 4/30 s, max. 6/30 s, max. 10/30 s, max. 16/30 Mode : AUTO1 / AUTO2 / AUTO3 / On/Off , Lavel : High / Lave with extensil control		
		se Reduction ion Detection	Level : High / Low, with external control High / Low 4 areas, Sensitivity : 15 steps, Detection size: 10 steps		
	Privacy Zo Up Side Do		Up to 8 zones, Gray / Mosaic		
	Auto Image	e Stabilizer	On (desktop) / Off (ceiling) On/Off		
Lens	Camera Tit Focal Leng		Up to 20 alphanumeric characters (3 selectable character sizes) 4.7 mm ~ 84.6 mm		
20.10	Zoom Ratio	0	18x / 36x with extra optical zoom (at VGA)		
		ctronic) Zoom	12x (Max. 432x combined with extra optical zoom at VGA)		
	Angular Fie		H: 3.2° (Tele) ~ 55.2° (Wide), V: 2.4° (Tele) ~ 42.1° (Wide)		
	Focusing F	Aperture Ratio	1: 1.6 (Wide) ~ 2.8 (Tele) 1.5 m ~ ∞		
	Aperture R		1.5 m ~ ∞ F1.6 ~ 22, Close		
Pan and Tilt			0° ~ 350° (With Pan-Flip : 0° ~ 360	90)	
. an and rift	Panning S		Manual: approx. 0.5°/s ~ 100°/s, Up to		
	Tilting Ran	ge	Preset : up to approx. 300°/s -30° ~ 90°(upward-level-downward	d) (With Tilt-Flip : –30° ~ 210°)	
	Tilting Spe	ed	Tilting angle limit: 10° / 5° / 3° / 0° / -3 Manual: approx.0.5°/s ~ 100°/s, Up to		
			Preset : up to approx. 100°/s		
		Preset Positions	Yes 64		
	Auto Mode		Off / preset sequence / auto pan /	auto track	
	Image Hold		On/Off		
	PTZ Position		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-Fl	lip	On/Off		
Browser GUI	Map Shot Camera Co	ontrol	360° map shot / preset map shot Pan/Tilt (16 steps), Zoom, Focus, C		
			Preset position call and program, A Spot. Quad: Image from 16 cameras		
			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.		
	Camera Title		Up to 20 alphanumeric characters Time: 12H / 24H, Date: 5 formats on the	browser Summer time (Manual/ALITO)	
			Reset	blowser, duffiller time (wandar/A010)	
	One Shot (A still picture will be displayed on a	a newly opened window.	
	Audio		Mic (Line) Input : On/Off Volume adjustment : Low / Middle / High		
			Audio Output : On/Off Volume ac		
			Still or motion images recorded in the SD		
		Menu Language	English, French (Installation required for French)	English, French, Italian, Spanish, German, Russian (Installation	
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Network	GUI/Setup System Lo Supported Supported Supported Supported Filmage Resolution 11 *2 H.264/ MPEG-4 11 JPEG (MJPEG) Audio Com Audio Mod Authentica	Menu Language 9 OS Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type Image Quality Transmission Type Image Type Transmission Type Image Type Transmission Type Transmiss	(Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG), e Microsoft® Windows® 8.1, Microsoft® Windows® 7, Microsoft Microsoft® Windows® 7, Microsoft Microsoft® Windows® 7, Microsoft Microsoft® Windows® 1nternet Explore® 10 (3: Windows® Internet Explore® 11 (3: Windows® Internet Explore® 16: Microsoft® Internet Explore® 8 (3: Microsoft® Internet Explore® 8 (3: Microsoft® Internet Explore® 7 (3: 10Base—T 7: 00Base—TX, RJ45 cm. 24: 41: 280 × 900 /800 × 600 / VGA (640 × 480) / OVGA (320 × 240), up to 30 fps HJ264 : 1,280 × 720 / 640 × 360 / 3 PEG (MJPEG) : 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps HJ264 : 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps HJ264 / 128 / 26 / 384 / 51 / 768 / 1 4,096 / 8,192* kbps / Unlimited * HLow / Normal / Fine OLS / 10 / 3 / 3 / 5 / 5 / 1 s / 2 s / 3 s Unicast / Multicast 1 10 steps Pull / Push G. 726 (ADPCM) 32 kbps / 16 kbps Off / Mic (Line) input / Audio output / Intera Level 1 only / Level 2 higher / All us	German, Russian (Installation required except for English) DHC/SD memory when the rror logs iff® Windows® 8, ® Windows® 8, ® Windows Vista®, 2 bit) 6 bit) 2 bit) 10 bit) 2 bit) 11 bit) 2 bit) 2 bit) 12 bit) 2 bit) 12 bit) 2 bit) 12 bit) 13 bit) 2 bit) 2 bit) 2 bit) 14 bit) 2 bit) 2 bit) 15 bit) 2 bit) 3 bit) 4 bit) 2 bit) 4 bit) 6 bi	
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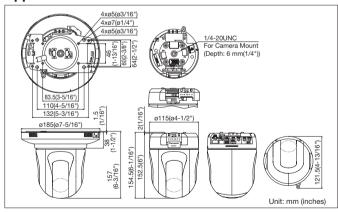
- All TV pictures are simulated.
- · Masses and dimensions are approximate
- Specifications are subject to change without notice.
- · All product pictures are NTSC models

- TV System NTSC ΡΔΙ FTP Client Alarm image transfer, Periodic image transfer (When the FTP periodic transmission s failed, backup on an optional SDHC/SD memory card is available. No. of Simultaneous User Up to 14 users (Depends on network conditions) SDHC/SD Memory Card H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure (Option) Compatible SD (SDHC) card : Panasonic 256 MB, 512 MB, 1 GB, 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* model * SDHC card JPEG image, panning/tilting/zoom control, AUX control (by access level) 3x Terminal inputs, VMD, Command alarm Cellular Phone Compatibility Alarm Alarm Source 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 With SD memory card : 5,000 logs, Without SD memory card : 1,000 logs Alarm Log Schedule Alarm / VMD / Access permission, Preset position call, Position refre H.264 recordina 1.0 V [p-p] / 75 Ω, NTSC composite, 1.0 V [p-p] / 75 Ω, PAL composite Input / Output Monitor Output ø3.5 mm mini jack ø3.5 mm mini jack (for adjustment) 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 k Ω Audio Output ø3.5 mm stereo mini jack (monaural output) Line level ALARM IN 1 (DAY/NIGHT IN), ALARM IN 2 (ALARM OUT),
 ALARM IN 3 (AUX OUT)
 UL (UL60065), FCC (Part15 ClassA), CE (EN60065, EN55022 ClassB,
 C-UL (CAN/CSA C22.2 No.60065), EN55024), GOST (GOST R 51558) External I/O Terminals Safety/EMC Standard DOC (ICES003 ClassA) 12 V DC : approx. 1,000 mA, Power Source/ PoE : approx.12.0 W (IEEE802.3af compliant, Class 0 device)
 -10 °C ~+50 °C (14 °F ~ 122 °F), Consumption Ambient Operating Temperature/Humidity 90 % or less (without condensation ø115 mm x 155 mm (H) (ø4-17/32" x 6-3/32" (H)) (excluding the 12 V DC power cord plug) Dimensions Mass (approx.)
- 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 Important Information, Installation Guide and operating instructions before using this product
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