

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

CD-ROM*1	Decorative Cover
Camera Mount Bracket (w/safety wire) 1 pc. Camera Fixing Screw 2 pcs. (incl. 1 spare)	*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. The network administrator shall retain the code label.

Optional Accessories

Inner Dome Cover
WV-Q157

WV-Q156C
(Clear)
WV-Q156S
(Smoke)

Embedded Ceiling Mount Brackets
WV-Q155C
(Clear)
WV-Q155S
(Smoke)

Wall Mount Brackets
WV-Q154C (Clear)
WV-Q154S (Smoke)



Ceiling Mount Bracket
WV-Q105

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

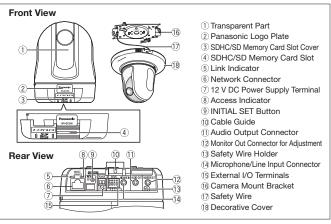
Specifications

TV System			NTSC	PAL	
Camera	Image Sen		1/3 type MOS Sensor		
	Effective P		Approx. 1.3 megapixel		
	Scanning A		Progressive scan 4.8 mm (H) x 3.6 mm (V)		
	Minimum I		Color: 0.5 lx, B/W: 0.06 lx at F1.6 (Shutter: 1/30 s. AGC: High)	
	IVIII III III III	iiumiiation			
	White Bala	ince	Color: 0.031 kx, B.WV: 0.004 kx at F1.6 (Shutter: 16/30 s., AGC: High) AWC (2.000 ~ 10,000 k), ATW1 (2,700 ~ 6,000 k), ATW2 (2,000 ~ 6,000 k) Indoor scene (50 Hz / 60 Hz) / Outdoor scene / Fix shutter Fix shutter: OFF (1/30), 3/100, 3/120, 2/100, 2/120, 1/100,		
	Light Cont				
	Shutter Sp				
			1/120, 1/250, 1/500, 1/1,000, 1/2,0		
	Super Dyn	amic	ON / OFF		
	Face Supe	r Dynamic	ON / OFF (Only at Super Dynamic:		
	Dynamic R		52 dB typical (Super Dynamic: ON, Light Control mode: Indoor)		
	Adaptive B	Black Stretch	ON / OFF		
AGC			ON (LOW, MID, HIGH) / OFF		
		Sensitivity UP	OFF, max. 2/30 s, max. 4/30 s, max. 6/30 s, max. 10/30 s, max. 16/30		
	Black and	White Mode	Mode: AUTO1 / AUTO2 / AUTO3 /		
	Digital Noise Reduction		Level: High / Low, with external co	ntrol	
		ion Detection	High / Low		
	Privacy Zo		4 areas, Sensitivity: 15 steps, Detection size: 10 steps		
	Up Side Do				
		e Stabilizer	ON / OFF		
	Camera Tit		Up to 20 alphanumeric characters (3 selectable character sizes)		
Lens	Focal Leng		4.7 mm ~ 84.6 mm		
	Zoom Ratio		18x / 36x with extra optical zoom (under VGA)		
		ctronic) Zoom	12x (Max. 432x combined with extra optical zoom under VGA)		
	Angular Fie		H: 3.2° (Tele) ~ 55.2° (Wide), V: 2.4		
	Maximum Aperture Ratio		1 : 1.6 (Wide) ~ 2.8 (Tele)		
	Focusing F		1.5 m ~ ∞		
	Aperture R		F1.6 ~ 22, Close		
Pan and Tilt	Panning Ra		0° ~ 350°		
	Panning Sp	peed	Manual: approx. 0.5°/s ~ 100°/s, Up to	256 steps (depending on the controller	
	The P		Preset: up to approx. 300°/s	n.	
	Tilting Ran	ge	-30° ~ 90° (upward-level-downwar		
			Tilting angle limit: 10° / 5° / 3° / 0° / -3		
	Tilting Speed		Manual: approx.0.5°/s ~ 100°/s, Up to 256 steps (depending on the controller)		
			Preset: up to approx. 100°/s		
		Preset Positions			
	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		
			ON / OFF		
	Map Shot		360° map shot / preset map shot		
Browser GUI	Camera Co	ontrol	Pan/Tilt (16 steps), Zoom, Focus, C	Click centering, Drag zoom, Iris,	
			Preset position call and program, A	uto 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.		
			Up to 20 alphanumeric characters		
	Clock Display		Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual/AUTO)		
	Alarm Control		Reset		
			A still picture will be displayed on a newly opened window.		
			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 card can		
	OB Momor,	Data Dominoua	be downloaded.	no obrio, ob momory dara dari	
	GUI/Setup	Menu Language	English, French	English, French, Italian, Spanish,	
	GUI/Setup Menu Language		(Installation required for French)	German, Russian (Installation	
				required except for English)	
	System Log		Up to 100 (Internal), Up to 4,000 (S		
			recording format is set to JPEG.) e		
	Supported OS		Microsoft® Windows® 7 Professional 64 bit/32 bit,		
	Supported	OS		al 64 bit/32 bit,	
	Supported	OS	Microsoft® Windows Vista® Busine	al 64 bit/32 bit, ss SP1 32 bit,	
	Supported	OS	Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession	al 64 bit/32 bit, ss SP1 32 bit, nal SP3	
			Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession The language of the OS must be sa	al 64 bit/32 bit, ss SP1 32 bit, anal SP3 ame as selected GUI language.	
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Network	Supported Network IF	Browser	Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession The language of the OS must be si Windows® Internet Explore® 8.0 Microsoft Windows® Internet Explore® 9.0 Microsoft Microsoft® Internet Explore® 6.0 SP3 (Mi 10Base-T / 100Base-T X, RJ-45 co H-264: 1,280 x 960 / 800 x 600 / VGA (64 MPEG-4: VGA (640 x 480) / QVGA	al 64 bit/32 bit, ss SP1 32 bit, nal SP3 ume as selected GUI language. 1º Windows® 7 Professional 64 bit/32 bit 8º Windows® XP Professional SP3 crosoft® Windows® XP Professional SP3 nector 0 v 480/ QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 fps	
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Network	Supported Network IF Image Resolution	Browser Aspect ratio: [4:3] Aspect ratio:	Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession The language of the OS must be si Windows® Internet Explore® 8.0 (Microsoft Windows® Internet Explore® 7.0 (Microsoft Microsoft® Internet Explore® 6.0 SP3 (MI DBase-T / 100Base-T X, RJ-45 co H.264: 1,280 × 960 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 QVGA (320 × 240), up to 30 fps	al 64 bit/32 bit, ss SP1 32 bit ss Windows® 7 Professional 64 bit/32 bit st® Windows Vista® Business SP1 32 bit crosoft® Windows® XP Professional SP2 nector 0 × 480 / OVGA (320 × 240), up to 30 fp \$ < 500 / VGA (640 × 480) / \$ 20 × 180, up to 30 fps \$ × 360 / 320 × 180, up to 30 fps	
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Network	Supported Network IF Image Resolution *1 *2 H.264/ MPEG-4	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality	Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession The language of the OS must be si Windows® Internet Explorer® 8.0 (Microso Windows® Internet Explorer® 5.0 (Microso Windows® Internet Explorer® 6.0 SP3 (Mi 10Base-T7 / 10DBase-TX, RJ-45 co H-264: 1,280 × 960 / 800 × 600 / VGA (44 MPEG-4: VGA (640 × 480) / OVGA (44 MPEG-4: VGA (640 × 480) / OVGA (34 MPEG / 41,280 × 960 / 800 VGA (320 × 240), up to 30 fps H-264: 1,280 × 720 / 640 × 360 / 3 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 3 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 3 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 3 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 3 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 3 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 3 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 3 JPEG (MJPEG): 1,000 / 1000	al 64 bit/32 bit, ss SP1 32 bit, ss SP1 32 bit, mal SP3 me as selected GUI language. 1*8 Windows® 7 Professional 64 bit/32 bit 1*8 Windows Vista® Business SP1 32 bit rosotf® Windows® XP Professional SP3 nector 0 × 480) / QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps x 360 / 320 × 180, up to 30 fps y / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp 024 / 1,536 / 2,048 / 3,072 /	
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Network	Supported Network IF Image Resolution *1 *2 H.264/ MPEG-4 *1 JPEG (MJPEG) Audio Com	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Aspect ratio: Inasmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Image Quality Transmission Type T	Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession The language of the OS must be si Windows® Internet Explore® 8.0 Microsoft® Microsoft® Internet Explore® 6.0 SP3 (Microsoft® Internet Explore® 1.0 SP3 (Microsoft® Internet® 1.	al 64 bit/32 bit, ss SP1 32 bit, ss SP1 32 bit, sal SP3 ume as selected GUI language. 1*8 Windows *7 Professional 64 bit/32 bit 1*8 Windows *State* Business \$P1 32 bit crosoft* Windows *XP Professional SP3 unector 0 x 4801 / OVGA (320 x 240), up to 30 fp (320 x 240), up to 30 fps x 600 / VGA (640 x 480) / 20 x 180, up to 30 fps y / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp 024 / 1,536 / 2,048 / 3,072 / 2.264 mode only	
Network	Supported Network IF Image Resolution *1 *2 H.264/ MPEG-4 *1 JPEG (MJPEG)	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Aspect ratio: Inasmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Image Quality Transmission Type T	Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession The language of the OS must be si Windows® Internet Explorer® 8.0 (Microsof Windows® Internet Explorer® 6.0 SP3 (Microsof Windows® Internet Explorer® 6.0 SP3 (Mi 10Base-T7 100Base-TX, RJ-45 to Hz64: 1,280 × 960 / 800 × 800 / VGA (AV 100 VGA)	al 64 bit/32 bit, ss SP1 32 bit, ss SP1 32 bit, sal SP3 ume as selected GUI language. 1*8 Windows *7 Professional 64 bit/32 bit 1*8 Windows *State* Business \$P1 32 bit crosoft* Windows *XP Professional SP3 unector 0 x 4801 / OVGA (320 x 240), up to 30 fp (320 x 240), up to 30 fps x 600 / VGA (640 x 480) / 20 x 180, up to 30 fps y / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp 024 / 1,536 / 2,048 / 3,072 / 2.264 mode only	
Network	Supported Network IF Image Resolution 11 *2 H.264/ MPEG-4 *1 JPEG (MJPEG) Audio Com Audio Moc	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type Image Quality Transmission Type Impression	Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession The language of the OS must be si Windows® Internet Explore® 8.0 (Microsoft® Internet Explore® 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 co L264: 1280 × 980 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 VGA (640 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 30 JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 4 / 128 / 256 / 384 / 512 / 768 / 1 4,096 / 8,192 kbps / Unlimited 1 LOW / NORMAL / FINE O.1 fps – 30 fps UNICAST / MULTICAST 10 steps PULLL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic (Line) input / Audio outp Interactive (Full duplex)	al 64 bit/32 bit, ss SP1 32 bit, ss SP1 32 bit, ssl SP1	
Network	Supported Network IF Image Resolution *1 *2 H.264/ MPEG-4 *1 JPEG (MJPEG) Audio Com Audio Mod	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Aspect ratio: [17 : 9] Aspect ratio: [18 : 9] Aspect ratio: [18 : 9] Aspect ratio: [19 : 9] Aspect ratio: [19 : 9] Aspect ratio: [10 : 9]	Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession The language of the OS must be si Windows® Internet Explore® 8.0 Microsoft® Microsoft® Internet Explore® 6.0 SP3 (Microsoft® Internet Explore® 1.0 Microsoft® Internet Explore® 1.0 Microsoft® 1.0 Micr	al 64 bit/32 bit, ss SP1 32 bit ss SP	
Network	Supported Network IF Image Resolution *1 *2 H.264/ MPEG-4 *1 JPEG (MJPEG) Audio Com Audio Moo Authentica Total Bit R:	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Image Qu	Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession The language of the OS must be si Windows® Internet Explorer® 8.0 (Microsof Windows® Internet Explorer® 6.0 (Microsof Windows® Internet Explorer® 6.0 SP3 (Mi 10Base-T7 / 100Base-TX, RJ-45 co H.264: 1,280 × 960 / 800 VG4 (A90 / 480) / OVGA (A90 / 480) / OVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 30 JPEG (MJPEG): 1,280 × 720 / 640 × 30 JPEG (MJPEG): 1,280 × 720 / 640 × 30 JPEG (MJPEG): 1,280 × 720 / 640 × 30 JPEG (MJP	al 64 bit/32 bit, ss SP1 32 bit st Windows 7 Professional 64 bit/32 bit st Windows Vista® Business SP1 32 bit crosoft® Windows XP Professional SP3 snector 0 × 480) / QVGA (320 × 240), up to 30 fps (320 × 240), up to 30 fps × 360 / 320 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only G.711 64 kbps ut / Interactive (Half duplex) / sers 12,048 / 4,096 / 8,192 kbps / Unlimiter 12,048 / 4,096 / 8,192 kbps / Unlimiter	
Network	Supported Network IF Image Resolution *1 *2 H.264/ MPEG-4 *1 JPEG (MJPEG) Audio Com Audio Mod	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Image Qu	Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession The language of the OS must be si Windows® Internet Explore® 8.0 (Microsoft® Microsoft® Internet Explore® 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 co L264: 1280 × 960 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 960 / 800 VGA (630 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 30 JPEG (MJPEG): 1,280 × 720 / 640 constant bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps H.264: 1,280 × 720 / 640 vistam bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps UNICAST / MULTICAST 10 steps PULLL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps OFF / Mic (Line) input / Audio out plareactive (Full duplex) Level 1 only / Level 2 higher / Aliu Level 1 only / Level 2 higher / Aliu Level 1 Only / LUP, HTH, HTTES, RTE CTOPH, UTF, HTTES, RTE	al 64 bit/32 bit, ss SP1 32 bit s	
Network	Supported Network IF Image Resolution *1 *2 H.264/ MPEG-4 *1 JPEG (MJPEG) Audio Com Audio Moo Authentica Total Bit R:	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Transmission Type Image Qu	Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession The language of the OS must be si Windows® Internet Explorer® 8.0 (Microsof Windows® Internet Explorer® 6.0 (Microsof Windows® Internet Explorer® 6.0 SP3 (Mi 10Base-T7 / 100Base-TX, RJ-45 co H.264: 1,280 × 960 / 800 VG4 (A90 / 480) / OVGA (A90 / 480) / OVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 30 JPEG (MJPEG): 1,280 × 720 / 640 × 30 JPEG (MJPEG): 1,280 × 720 / 640 × 30 JPEG (MJPEG): 1,280 × 720 / 640 × 30 JPEG (MJP	al 64 bit/32 bit, ss SP1 32 bit srosoft® Windows® XP Professional SP3 snector 0 x 480 / OVGA (320 x 240), up to 30 fp (320 x 240), up to 30 fps x 600 / VGA (640 x 480) / 20 x 180, up to 30 fps y / Best effort 1 / 3 / 5 / 7 5 / 10 / 12 / 15 / 20 / 30 fp 024 / 1,536 / 2,048 / 3,072 / 2.264 mode only G.711 64 kbps ut / Interactive (Half duplex) / sers (2,048 / 4,096 / 8,192 kbps / Unlimitet , FTP, SMTP, DNS, NTP, SNMP, DHCPs, S, RTSP, RTP, RTP/RTCP,	

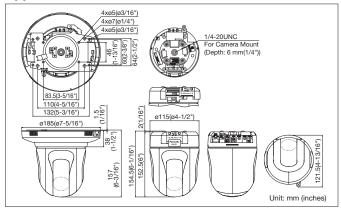
TV System		NTSC	PAL	
Network	FTP Client	Alarm image transfer, Periodic image transfer (When the FTP periodic transmission		
		is failed, backup on an optional SDHC/SD memory card is available.) 1 Up to 14 users (Depends on network conditions) 1.26 t ecording: Manual REC / Alarm REC (Pre/Post) / Schedule REC 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		
	No. of Simultaneous Users			
	SDHC/SD Memory Card			
	(Option)			
	Face Detection			
	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, V	Vithout SD memory card: 1,000 logs	
	Schedule	Alarm/VMD/Access permission, Preset position call, Position refres 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		
	Audio Output		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	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 po		(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.

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