Panasonic

HD Dome Network Camera WV-SC384



HD/1,280 x 960 H.264 PTZ Dome Network Camera.

Key Features

- 720p HD images up to 30 fps
- Newly developed 1.3 Megapixel 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. 36x extra optical zoom at VGA resolution with 8x digital zoom enabling 288x zoom.
- Wide Dynamic Range and ABS (Adaptive Black Stretch) technologies deliver wider dynamic range compared with conventional cameras.
- Face Wide Dynamic Range technology ensures clear face image.
- H.264 and MPEG-4 are selectable for system migration.
- High sensitivity with Day/Night function: 0.6 lx (Color), 0.5 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.
- 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 2 private areas, such as house windows and entrances/exits.
- Alarm sources including 3 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
The followings are for installation. • Camera Mount Bracket (w/safety wire)1 pc.	*1 The CD-ROM contains the operating instructions (PDFs) and different kinds of tool software programs.
Camera Fixing Screw	*2 This label may be required for network management. The network administrator shall retain the code label.

Optional Accessories

Inner Dome Cover Surface Ceiling Mount Brackets WV-0157 WV-Q156C WV-Q156S

Embedded Ceiling Mount Brackets WV-Q155C 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

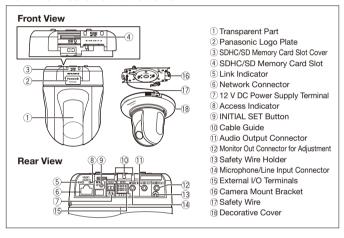
Camera			NTSC	PAL	
	Image Sen		1/3 type MOS Sensor		
	Effective P		Approx. 1.3 megapixel		
	Scanning N		Progressive scan		
	Scanning A		4.8 mm (H) x 3.6 mm (V) (3/16" (H) x 5/32" (V))		
	Minimum II	lumination	Color: 0.6 lx (F1.6, Auto slow shutte		
		0.038 lx (F1.6, Auto slow shutter: max. 16/30 s, AGC: High, WI			
			BW: 0.5 lx (F1.6, Auto slow shutter		
			0.031 lx (F1.6, Auto slow shutter: n	nax. 16/30 s, AGC: High)	
	White Balance		ATW1 / ATW2 / AWC		
	Light Conti	rol Mode	Indoor scene (50 Hz / 60 Hz) / Out	door scene / Fix shutter	
	Shutter Sp	eed	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, 1/10,00	0	
	Wide Dyna	mic Range	ON / OFF		
	Face Wide	Dynamic Range	ON / OFF		
	Adaptive B	Black Stretch	ON / OFF		
	AGC		ON (LOW, MID, HIGH) / OFF		
Auto Slow Shutter			OFF (1/30 s), max. 2/30 s, max. 4/30 s,	max 6/30 s max 10/30 s max 16/30	
			OFF / AUTO	max o, oc o, max 10, oc o, max 10, oc	
	Simple Black and White Mode		High / Low		
	Digital Noise Reduction		ON / OFF, 4 areas available		
	Video Motion Detection Privacy Zone				
			ON / OFF (up to 2 zones available)		
	Up Side Do		Ceiling mount only		
	Image Stat		ON / OFF		
	Camera Title (OSD)		ON / OFF		
Lens	Focal Length		4.7 mm ~ 84.6 mm		
	Zoom Ratio		18x / 36x with extra optical zoom (at VGA resolution)		
		ctronic) Zoom	8x (Max. 288x combined with extra		
	Angular Fie		H: 3.2° (Tele) ~ 55.2° (Wide), V: 2.4	° (Tele) ~ 42.1° (Wide)	
	Maximum	Aperture Ratio	1:1.6 (Wide) ~ 2.8 (Tele)		
	Focus Ran		1.5 m ~ ∞		
	Aperture R		F1.6 ~ 22, Close		
Pan and Tilt	Panning Ra		0° ~ 350°		
	Panning Sp		Manual: approx. 0.5°/s ~ 100°/s, P	reset: up to approx. 300°/s	
	Tilting Ran		-30° ~ 90° (upward-level-downwar		
	9 11011	.			
	Tilting Speed		Tilting angle limit: 10° / 5° / 3° / 0° / -3° / -5° / -10° / -15° / -20° / -25° / -30° Manual: approx.0.5°/s ~ 100°/s, Preset: up to approx. 100°/s		
		Pan/Tilt Control	Yes	eset, up to approx. 100 /s	
		Preset Positions	64		
				1.1/5	
	Auto Mode		Auto pan / Preset sequence / 360	map-snot / Preset map-snot	
	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 mi	
	Pan/tilt flip	*1	ON / OFF		
	Map Shot		360 map shot / preset map shot		
Browser GUI	Camera Control		Pan/Tilt (16 steps), Zoom, Focus, Click centering, Drag zoom, Iris,		
			Preset position call and program, Auto mode		
	Display Mode		Spot, Quad: Image from 16 cameras		
			screens or 16 split screen (JPEG only). 20 characters camera title available.	
	Camera Title		Up to 20 characters (alphanumeric ch		
	Clock Display		Time: 12H / 24H, Date: 5 formats on the		
	Alarm Control		Reset	,	
	One Shot Capture		A still picture will be displayed on a	newly opened window.	
	Audio		Mic (Line) Input: ON / OFF Volume		
			Audio Output: ON / OFF Volume a		
	SD Memory Data Download		Still or motion images recorded in the SD		
	GUI/Setup Menu Language		English, French	English, French, Italian, Spanish,	
	GO//Setup Ivienu Language		(Installation required for French)	German, Russian (Installation	
			(installation required for French)	required except for English)	
	System Log				
	System Log		Up to 100 (Internal), Up to 4,000 (S		
			recording format is set to JPEG.) e		
	Supported	os	Microsoft® Windows® 8, Microsoft	® Windows® 7,	
			Microsoft® Windows® 8, Microsoft Microsoft® Windows Vista®, Micro	[®] Windows [®] 7, soft [®] Windows [®] XP SP3	
	Supported		Microsoft® Windows® 8, Microsoft Microsoft® Windows Vista®, Micro Windows® Internet Explorer® 10.0 (32 bit	[®] Windows [®] 7, soft [®] Windows [®] XP SP3 t)Windows [®] Internet Explorer [®] 9.0 (32 bit	
			Microsoft® Windows® 8, Microsoft Microsoft® Windows Vista®, Micro Windows® Internet Explorer® 10.0 (32 bit Windows® Internet Explorer® 8.0 (32 bit),	[®] Windows [®] 7, soft [®] Windows [®] XP SP3 t)Windows [®] Internet Explorer [®] 9.0 (32 bit	
	Supported	Browser	Microsoft® Windows® 8, Microsoft Microsoft® Windows Vista®, Micro Windows® Internet Explorer® 10.0 (32 bit Windows® Internet Explorer® 8.0 (32 bit), Microsoft® Internet Explorer® 6.0 SP3	© Windows® 7, soft® Windows® XP SP3 t)Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit)	
Network		Browser	Microsoft® Windows® 8, Microsoft Microsoft® Windows Vista®, Micro Windows® Internet Explorer® 10, 032 bit Windows® Internet Explorer® 8.0 (32 bit), Microsoft® Internet Explorer® 6.0 SP3 10Base-T / 100Base-TX, RJ-45 co	© Windows® 7, soft® Windows® XP SP3 ;)Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) nnector	
Network	Supported Network IF Image	Browser Aspect ratio:	Microsoft® Windows® 8, Microsoft Microsoft® Windows Vista®, Microsoft® Windows Vista®, Microsoft® Undows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 UDBase-T / 10Base-T / 10	© Windows® 7, sooft® Windows® XP SP3 gWindows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) nnector 80) / QVGA (320 x 240), up to 30 fp	
Network	Supported Network IF Image Resolution	Browser Aspect ratio:	Microsoft® Windows® 8, Microsoft Microsoft® Windows Vista®, Micro Windows® Internet Explore® 10, (32 bit) Windows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base-T / 100Base-T / RJ-45 co H-264: 1,280 × 980 / VGA (640 x 44 MPEG-4: VGA (640 x 480) / QVGA	© Windows® 7, soft® Windows® XP SP3 !Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) nnector 30) / QVGA (320 x 240), up to 30 fps (320 x 240), up to 30 fps	
Network	Supported Network IF Image	Browser Aspect ratio:	Microsoft® Windows® 8, Microsoft Microsoft® Windows Vista®, Microsoft® Windows Vista®, Microsoft® Undows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 UDBase-T / 10Base-T / 10	© Windows® 7, soft® Windows® XP SP3 !Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) nnector 30) / QVGA (320 x 240), up to 30 fps (320 x 240), up to 30 fps	
Network	Supported Network IF Image Resolution	Browser Aspect ratio:	Microsoft® Windows® 8, Microsoft Microsoft® Windows Vista®, Micro Windows® Internet Explore® 10, (32 bit) Windows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base-T / 100Base-T / RJ-45 co H-264: 1,280 × 980 / VGA (640 x 44 MPEG-4: VGA (640 x 480) / QVGA	© Windows® 7, soft® Windows® XP SP3 soft® Windows® XP SP3 soft® Windows® Internet Explorer® 9.0 (32 bit Windows® Internet Explorer® 7.0 (32 bit) nnector 30) / QVGA (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps	
Network	Supported Network IF Image Resolution	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9]	Microsoft® Windows® 8, Microsoft Microsoft® Windows® 1, Microsoft® Windows Vista®, Micro Windows® Internet Explore® 10.0 (32 bit Windows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base-T / 100Base-TX, RJ-45 co H.264: 1,280 x 960 / VGA (640 x 44 MPEG-4: VGA (640 x 480 / VGA JPEG (MJPEG): 1,280 x 960 / 640 H.264: 1,280 x 720 / 640 x 360 / 3: JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 3: JPEG (MJPEG): 1,280 x 720 / 640	© Windows® 7, sostf® Windows® XP SP3 If Windows® Internet Explorer® 9.0 (32 bit Windows® Internet Explorer® 7.0 (32 bit) nnector 100 / QVGA (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps x 480 / 320 x 240, up to 30 fps x 380 / 320 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps	
Network	Supported Network IF Image Resolution	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9]	Microsoft® Windows® 8, Microsoft Microsoft® Windows® 1, Microsoft® Windows Vista®, Micro Windows® Internet Explore® 10.0 (32 bit Windows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base-T / 100Base-TX, RJ-45 co H.264: 1,280 x 960 / VGA (640 x 44 MPEG-4: VGA (640 x 480 / VGA JPEG (MJPEG): 1,280 x 960 / 640 H.264: 1,280 x 720 / 640 x 360 / 3: JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 3: JPEG (MJPEG): 1,280 x 720 / 640	© Windows® 7, sostf® Windows® XP SP3 If Windows® Internet Explorer® 9.0 (32 bit Windows® Internet Explorer® 7.0 (32 bit) nnector 100 / QVGA (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps x 480 / 320 x 240, up to 30 fps x 380 / 320 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps	
Network	Supported Network IF Image Resolution *2 *3 H.264/	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9]	Microsoft® Windows® 8, Microsoft Microsoft® Windows® 1, Microsoft® Windows Vista®, Micro Windows® Internet Explore® 10.032 bit Windows® Internet Explore® 8.0.32 bit, Windows® Internet Explore® 8.0.32 bit, Windows® Internet Explore® 8.0.32 bit, Wincrosoft® Internet Explore® 8.0.32 bit, Wincrosoft® Internet Explore® 6.0 SP3 10Base-T / 100Base-TX, RJ-45 co H.264: 1,280 x 960 / VGA (640 x 480 / VGA WEGG -1,280 x 960 / 640 JPEG (MJPEG): 1,280 x 960 / 640 JPEG (MJPEG): 1,280 x 720 / 640 X 360 / 3.0 JPEG (MJPEG): 1,280 x 720 / 640 Constant bitrate / Framerate priori	© Windows® 7, soft® Windows® XP SP3 soft® Windows® XP SP3 soft® Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) nnector 30) / QVGA (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps 20 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps y / Best effort / Advanced VBR	
Network	Supported Network IF Image Resolution *2 *3	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate	Microsoft® Windows® 8, Microsoft Microsoft® Windows Vista®, Micro Windows® 10.0 (32 bit Windows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 UD8ase-1 7 \ 100Base-1 7 \ \text{100Base-1 7 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	© Windows® 7, sosoft® Windows® XP SP3 spotf® Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) windows® Internet Explorer® 7.0 (32 bit) nnector 80) / QVGA (320 x 240), up to 30 fps (320 x 240), up to 30 fps 20 x 180, up to 30 fps x 360 / 320 x 240, up to 30 fps x 360 / 320 x 180, up to 30 fps	
Network	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate	Microsoft® Windows® 8, Microsoft Microsoft® Windows® 1, Microsoft® Windows Vista®, Micro Windows® Internet Explore® 10.0 (32 bit Windows® Internet Explore® 8.0 (32 bit). Windows® Internet Explore® 8.0 (32 bit). Windows® 10 (32 bit). Windows®	© Windows® 7, sostf® Windows® XP SP3 (Windows® Internet Explorer® 9.0 (32 bit Windows® Internet Explorer® 7.0 (32 bit) enector (30) / QVGA (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps x 480 / 320 x 240, up to 30 fps y 586 / 320 x 180, up to 30 fps y 586 / 320 x 180, up to 30 fps 17.3 / 57.5 / 10.1 / 12 / 15 / 20 / 30 fps 17.3 / 57.5 / 10.1 / 12 / 15 / 20 / 30 fps 17.3 / 57.5 / 10.1 / 12 / 15 / 20 / 30 fps 17.3 / 57.5 / 10.1 / 12 / 15 / 20 / 30 fps 17.3 / 56 / 2.0 / 20 / 30 fps 17.3 / 56 / 2.0 / 20 / 30 fps 17.3 / 56 / 2.0 / 20 / 30 fps 17.3 / 56 / 2.0 / 20 / 30 fps 17.3 / 56 / 2.0 / 30 / 30 / 20 / 30 fps 30 / 30 / 30 / 30 / 30 / 30 / 30 / 30	
Network	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client	Microsoft® Windows® 8, Microsoft® Microsoft® Windows® 1, Microsoft® Windows Vista®, Microsoft® Windows® Internet Explore® 10.0 (32 bit) Windows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 SP 10 Base-T / 100Base-T /	© Windows® 7, sostf® Windows® XP SP3 (Windows® Internet Explorer® 9.0 (32 bit Windows® Internet Explorer® 7.0 (32 bit) enector (30) / QVGA (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps x 480 / 320 x 240, up to 30 fps y 586 / 320 x 180, up to 30 fps y 586 / 320 x 180, up to 30 fps 17.3 / 57.5 / 10.1 / 12 / 15 / 20 / 30 fps 17.3 / 57.5 / 10.1 / 12 / 15 / 20 / 30 fps 17.3 / 57.5 / 10.1 / 12 / 15 / 20 / 30 fps 17.3 / 57.5 / 10.1 / 12 / 15 / 20 / 30 fps 17.3 / 56 / 2.0 / 20 / 30 fps 17.3 / 56 / 2.0 / 20 / 30 fps 17.3 / 56 / 2.0 / 20 / 30 fps 17.3 / 56 / 2.0 / 20 / 30 fps 17.3 / 56 / 2.0 / 30 / 30 / 20 / 30 fps 30 / 30 / 30 / 30 / 30 / 30 / 30 / 30	
Network	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4	Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality	Microsoft® Windows® 8, Microsoft Microsoft® Windows® Index®, Micro Windows® Internet Explore® 1.0. (92 bit Windows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 UD8ase-T / 100Base-T /	© Windows® 7, sosoft® Windows® XP SP3 ()Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (320 x 240), up to 30 fps (320 x 240), up to 30 fps 20 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps y / Best effort / Advanced VBR 1/3/5/7.5/10/12/15/20/30 fp .024 / 1,536 / 2,048 / 3,072 / .264 mode Only	
Network	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval	Microsoft® Windows® 8, Microsoft Microsoft® Windows® 1, Microsoft® Windows Vista®, Micro Windows® Internet Explore® 10.0 (32 bit Windows® Internet Explore® 8.0 (32 bit). Windows® Internet Explore® 8.0 (32 bit). Windows® 10 (32 bit). Windows®	© Windows® 7, sosoft® Windows® XP SP3 ()Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (320 x 240), up to 30 fps (320 x 240), up to 30 fps 20 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps y / Best effort / Advanced VBR 1/3/5/7.5/10/12/15/20/30 fp .024 / 1,536 / 2,048 / 3,072 / .264 mode Only	
Network	Supported Network IF Image Resolution "2 "3 H.264/ MPEG-4 "2	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval Transmission Type	Microsoft® Windows® 8, Microsoft® Microsoft® Windows® 1, Microsoft® Windows Vista®, Microsoft® Windows® Internet Explore® 10.0 (32 bit) Mindows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 (44 bit) Microsoft® Internet Explore® 6.0 (44 bit) Microsoft® 7.0 (45 bit) Micr	© Windows® 7, soft® Windows® XP SP3 (Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) windows® Internet Inte	
Network	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality	Microsoft® Windows® 8, Microsoft Microsoft® Windows® 1, Microsoft® Mindows Vista®, Micro Windows® Internet Explore® 1.0 (32 bit), Microsoft® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 H.264: 1,280 x 960 / VGA (640 x 480) / QVGA JPEG (MJPEG): 1,280 x 960 / 640 H.264: 1,280 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,280 x 720 / 640 Constant bitrate / Framerate priorit 1/3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1 4,096 / 81,192* kbps / Unlimited * H.20 / NORIMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / UNICAST / MULTICAST 0 SUPER FINE / 1 FINE / 2 / 3 / 4 / 5 NC	© Windows® 7, soft® Windows® XP SP3 (Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) windows® Internet Inte	
Network	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG)	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	Microsoft® Windows® 8, Microsoft® Windows® 1, Microsoft® Windows Vista®, Microsoft® Windows® 1, Microsoft® Windows® Internet Explore® 10.0 (32 bit Windows® Internet Explore® 8.0 (32 bit) Windows® Internet Explore® 8.0 (32 bit) Windows® 10 Microsoft® 10	© Windows® 7, sostf® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet In	
Network	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG	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	Microsoft® Windows® 8, Microsoft® Mindows® 1, Microsoft® Mindows Vista®, Microsoft® Mindows Vista®, Microsoft® Mindows® Internet Explore® 10.0 (32 bit), Microsoft® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 (44 bit) Microsoft® (44 b	© Windows® 7, soft® Windows® XP SP3 (Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet	
Network	Supported Network IF Image Resolution '2 '3 H.264/ MPEG-4 '2 JPEG (MJPEG) Transmissi	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 on Interval	Microsoft® Windows® 8, Microsoft Microsoft® Windows® Internet Explore® 1.0 (92 bit Windows® Internet Explore® 1.0 (92 bit Windows® Internet Explore® 8.0 (82 bit), Windows® Internet Explore® 6.0 SP3 H.264: 1,280 x 960 / VGA (640 x 480 / VGA 464 - 42 VGA (640 x 480 / VGA 464 - 42 VGA (640 x 480 / VGA 464 - 42 VGA (640 x 480 / VGA 464 - 42 VGA (640 x 480 / VGA 464 - 42 VGA 640 x 480 / VGA 464 - 42 VGA 640 x 480 / VGA 464 - 42 VGA 640 x 480 / VGA 64 VGA 640 x 480 / VGA 640 x 480 x	© Windows® 7, sosoft® Windows® XP SP3 [Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (320 x 240), up to 30 fps (320 x 240), up to 30 fps 20 x 180, up to 30 fps 20 x 180, up to 30 fps 30 x 360 / 320 x 180, up to 30 fps 30 y Jesset fort / Advanced VBR 1/3/5/7.5/10/12/15/20/30 fp (024 / 1,536 / 2,048 / 3,072 / 1,264 mode Only 2 s / 3 s / 4 s / 5 s DRMAL / 6 / 7 / 8 / 9 LOW (10 steps: 0-5 will be restricted when displaying ages.)	
Network	Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG)	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 on Interval	Microsoft® Windows® 8, Microsoft® Mindows® 1, Microsoft® Mindows Vista®, Microsoft® Mindows Vista®, Microsoft® Mindows® Internet Explore® 10.0 (32 bit), Microsoft® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 (44 bit) Microsoft® (44 b	© Windows® 7, sosoft® Windows® XP SP3 [Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (320 x 240), up to 30 fps (320 x 240), up to 30 fps 20 x 180, up to 30 fps 20 x 180, up to 30 fps 30 x 360 / 320 x 180, up to 30 fps 30 y Jesset fort / Advanced VBR 1/3/5/7.5/10/12/15/20/30 fp (024 / 1,536 / 2,048 / 3,072 / 1,264 mode Only 2 s / 3 s / 4 s / 5 s DRMAL / 6 / 7 / 8 / 9 LOW (10 steps: 0-5 will be restricted when displaying ages.)	
Network	Supported Network IF Image Resolution '2 '3 H.264/ MPEG-4 '2 JPEG (MJPEG) Transmissi	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 on Interval	Microsoft® Windows® 8, Microsoft Microsoft® Windows® Internet Explore® 1.0 (92 bit Windows® Internet Explore® 1.0 (92 bit Windows® Internet Explore® 8.0 (82 bit), Windows® Internet Explore® 6.0 SP3 H.264: 1,280 x 960 / VGA (640 x 480 / VGA 464 - 42 VGA (640 x 480 / VGA 464 - 42 VGA (640 x 480 / VGA 464 - 42 VGA (640 x 480 / VGA 464 - 42 VGA (640 x 480 / VGA 464 - 42 VGA 640 x 480 / VGA 464 - 42 VGA 640 x 480 / VGA 464 - 42 VGA 640 x 480 / VGA 64 VGA 640 x 480 / VGA 640 x 480 x	© Windows® 7, sostf® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit Windows® Internet Explorer® 7.0 (32 bit Windows® Internet Explorer® 7.0 (32 bit Windows® Internet Explorer® 7.0 (32 bit) nnector 30) / QVGA (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps x 480 / 320 x 240, up to 30 fps to 30 fps x 380 / 320 x 180, up to 30 fps to 30 fps x 360 / 320 x 180, up to 30 fps to 30 fps x 360 / 320 x 180, up to 30 fps t	
Network	Supported Network IF Image Resolution "2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Transmissi Audio Com	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 on Interval	Microsoft® Windows® 8, Microsoft® Microsoft® Windows® 1, Microsoft® Mindows Vista®, Microsoft® Mindows Vista®, Microsoft® Mindows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 (40 bit), Microsoft® Internet Explore® 6.0 (40 bit), Microsoft® 6.1 (40 bit), Micros	© Windows® 7, soft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit Windows® Internet Explorer® 7.0 (32 bit Windows® Internet Inter	
Network	Supported Network IF Image Resolution '2 '3 H.264/ MPEG-4 '2 JPEG (MJPEG) Transmissi Audio Com Audio Mod Authentica	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 on Interval pression le tion for Audio	Microsoft® Windows® 8, Microsoft® Windows® 1, Microsoft® Windows Vista®, Microsoft® Windows® 1, Microsoft® Windows® Internet Explore® 9.0 (32 bit Windows® Internet Explore® 8.0 (32 bit). Windows® Internet Explore® 6.0 SP3 10Base-T / 100Base-TX, RJ-45 co. H, 264: 1,280 x 960 / VGA (640 x 440 x 440 / VGA (640 x 440 x 44	© Windows® 7, sostf® Windows® XP SP3 If Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) windows® Internet Explorer® 7.0 (32 bit) repetition of the second of the se	
Network	Supported Network IF Image Resolution "2 "3 H.264/ MPEG-4 "2 JPEG (MJPEG) Transmissi Audio Com Audio Mod Authentica Total Bit R. Total Bit R. Total Bit R.	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Aspect ratio: Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type on Interval	Microsoft® Windows® 8, Microsoft® Windows® 1, Microsoft® Windows Vista®, Microsoft® Windows® 1, Microsoft® Windows® Internet Explore® 10.032 bit Windows® Internet Explore® 8.0.32 bit). Windows® Internet Explore® 8.0.32 bit). Windows® Internet Explore® 8.0.32 bit). Windows® 10 Microsoft® 10 Microsoft® 10 Microsoft® 1, 280 x 960 / VGA (640 x 44 MPEG-4: VGA (640 x 480) / QVGA JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 3.1 JPEG (MJPEG): 1,280 x 720 / 640 Constant bitrate / Framerate priori 1/3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 64 / 128 / 265 / 384 / 512 / 768 / 1 4,096 / 8,192* kbps / Unlimited* 1-LOW / NORMAL / FINE 0.2 s / 0.25 s / 0.35 s / 0.5 s / 1 s / UNICAST / MULTICAST 0 SUPER FINE / 1 FINE / 2 / 3 / 4 / 5 M CPULL / PUSH 0.1 fps - 30 fps (JPEG frame Fate whoth JPEG and H.264/MPEG 4 in Schröße 1,000 m Microsoft 1 Microsoft	© Windows® 7, soft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) windows® Internet	
Network	Supported Network IF Image Resolution '2 '3 H.264/ MPEG-4 '2 JPEG (MJPEG) Transmissi Audio Com Audio Mod Authentica	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Aspect ratio: Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type on Interval	Microsoft® Windows® 8, Microsoft® Microsoft® Windows® 1, Microsoft® Mindows Vista®, Microsoft® Mindows Vista®, Microsoft® Mindows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 (40 bit), Microsoft® Internet Explore® 6.0 (40 bit), Microsoft® 6.1 (40 bit), Micros	© Windows® 7, soft® Windows® XP SP3 (Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet	
Network	Supported Network IF Image Resolution "2 "3 H.264/ MPEG-4 "2 JPEG (MJPEG) Transmissi Audio Com Audio Mod Authentica Total Bit R. Total Bit R. Total Bit R.	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Aspect ratio: Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type on Interval	Microsoft® Windows® 8, Microsoft® Windows® 1, Microsoft® Windows Vista®, Microsoft® Windows® 1, Microsoft® Windows® Internet Explore® 10.0 (32 bit Windows® Internet Explore® 8.0 (32 bit). Windows® Internet Explore® 6.0 SP3 10Base-T / 100Base-TX, RJ-45 co. H, 264: 1,280 x 960 / VGA (640 x 480 x 480 / VGA (640 x 480 x 4	© Windows® 7, sostf® Windows® XP SP3 IWindows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 7.0 (32 bit) windows® Internet Explorer® 7.0 (32 bit) windows® Internet Explorer® 7.0 (32 bit) unector 100 / Q WGA (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps x 480 / 320 x 240, up to 30 fps y 100 x 180, up	
Network	Supported Network IF Image Resolution "2 "3 H.264/ MPEG-4 "2 JPEG (MJPEG) Transmissi Audio Com Audio Mod Authentica Total Bit R. Supported	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Aspect ratio: Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type on Interval	Microsoft® Windows® 8, Microsoft® Windows® 1, Microsoft® 10.032 bit Windows® 1, Microsoft® 1, Microso	© Windows® 7, soft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit Windows® Internet Explorer® 7.0 (32 bit) Windows® Internet Internet X 300 / 320 x 240, up to 30 fps X 480 / 320 x 240, up to 30 fps X 480 / 320 x 180, up to 30 fps X 580 / 320 x 180, up to 30 fps X 7 Best effort / Advanced VBR 1 1 / 3 / 5 / 7 .5 / 10 / 12 / 15 / 20 / 30 fp X 1 / 5 / 5 / 10 / 12 / 15 / 20 / 30 fp X 2 / 3 s / 4 s / 5 s X 2 / 3 s / 4 s / 5 s X 2 / 3 s / 4 s / 5 s X 3 / 4 s / 5 s X 3 / 4 s / 5 s X 3 / 4 s / 5 s X 3 / 4 s / 5 s X 3 / 4 s / 5 s X 3 / 4 s / 5 s X 3 / 4 s / 5 s X 3 / 4 s / 5 s X 3 / 4 s / 5 s X 3 / 4 s / 5 s X 3 / 4 s / 5 s X 4 s / 5 s X 5 / 4 s / 5 s X 5 / 4 s / 5 s X 5 / 4 s / 5 s X 6 / 4 s / 5 s X 7 8 / 4 s / 5 s X 7 8 / 4 s / 5 s X 8 / 4 s / 5 s X 8 / 4 s / 5 s X 9	
Network	Supported Network IF Image Resolution "2 "3 H.264/ MPEG-4 "2 JPEG (MJPEG) Transmissi Audio Com Audio Mod Authentica Total Bit R. Total Bit R. Total Bit R.	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Aspect ratio: Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type on Interval	Microsoft® Windows® 8, Microsoft® Windows® 1, Microsoft® Windows Vista®, Microsoft® Windows Vista®, Microsoft® Mindows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 2 bit Appel 9.1 (280 x 960 / 640 H.264: 1,280 x 720 / 640 x 360 / 32 JPEG (MJPEG): 1,280 x 720 / 640 Constant bitrate / Framerate priori 1/3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1 4,096 / 8,192* kbps / Unlimited * H.COW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / UNICAST / MULTICAST OSUPER FINE / 1 FINE / 2 / 3 / 4 / 5 NC PULL / PUSH 0.1 fps - 30 fps (JPEG frame rate v bott JPEG and H.264/MPEG-4 lim 6.726 (ADPCM) 32 kbps / 16 kbps 0FF / Mic (Line) input / Audio output / Inter Level 1 only / Level 2 higher / Alu 1 4 / 128 / 256 / 384 / 512 / 768 / 1,024 IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTI FIP, SMTP, DHCP, DNS, DE Alami inage transmission, FTP periodic	© Windows® 7, soft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit Windows® Internet Explorer® 7.0 (32 bit No.22 v. 240), up to 30 fps x 480 / 320 x. 240, up to 30 fps x 360 / 320 x. 180, up to 30 fps y / Best effort / Advanced VBR 1 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp ,024 / 1,536 / 2,048 / 3,072 / .264 mode Only 2 s / 3 s / 4 s / 5 s DRMAL / 6 / 7 / 8 / 9 LOW (10 steps: 0-1 will be restricted when displaying ages.) will be restricted when displaying ages.) active (Half duplex) / Interactive (Full duple sers / 2,048 / 4,096 / 8,192 kbps / Unlimited / 7,248 / 4,096 / 8,192 kbps / Unlimited / F. FF, SMTP, DNS, NTP, SMMP, DHCPv SS, RTSP, RTP, RTP/RTCP, NSN, NTP, SMRP, UP-P transmission (When the FTP transmission (When the FTP transmission (When the FTP transmission)	
Network	Supported Network IF Image Resolution '2 '3 H.264/ MPEG-4 '2 JPEG (MJPEG) Transmissi Audio Com Audio Mod Authentica Total Bit R: Supported	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 on Interval pression letton for Audio ate Protocol	Microsoft® Windows® 8, Microsoft® Windows® 1, Microsoft® Windows Vista®, Microsoft® Windows® 1, Microsoft® Windows® Internet Explore® 10.032 bit Windows® Internet Explore® 8.0.(32 bit) 108ase−17 / 100Base−17	© Windows® 7, sostf® Windows® XP SP3 I)Windows® Internet Explorer® 9.0 (32 bit Windows® Internet Explorer® 7.0 (32 bit) nector 30) / QVGA (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps x 480 / 320 x 240, up to 30 fps x 360 / 320 x 180, up to 30 fps ty / Best effort / Advanced VBR 1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp 1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp 1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp 1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp 1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp 1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp 1/3 / 10 / 10 / 10 / 10 / 10 / 10 / 10	
Network	Supported Network IF Image Resolution "2 "3 H.264/ MPEG-4 "2 JPEG (MJPEG) Transmissi Audio Com Audio Mod Authentica Total Bit R. Supported	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 on Interval pression letton for Audio ate Protocol	Microsoft® Windows® 8, Microsoft® Windows® 1, Microsoft® Windows Vista®, Microsoft® Windows Vista®, Microsoft® Mindows® Internet Explore® 8.0 (32 bit), Microsoft® Internet Explore® 6.0 2 bit Appel 9.1 (280 x 960 / 640 H.264: 1,280 x 720 / 640 x 360 / 32 JPEG (MJPEG): 1,280 x 720 / 640 Constant bitrate / Framerate priori 1/3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1 4,096 / 8,192* kbps / Unlimited * H.COW / NORMAL / FINE 0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / UNICAST / MULTICAST OSUPER FINE / 1 FINE / 2 / 3 / 4 / 5 NC PULL / PUSH 0.1 fps - 30 fps (JPEG frame rate v bott JPEG and H.264/MPEG-4 lim 6.726 (ADPCM) 32 kbps / 16 kbps 0FF / Mic (Line) input / Audio output / Inter Level 1 only / Level 2 higher / Alu 1 4 / 128 / 256 / 384 / 512 / 768 / 1,024 IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTI FIP, SMTP, DHCP, DNS, DE Alami inage transmission, FTP periodic	© Windows® 7, sostf® Windows® XP SP3 I)Windows® Internet Explorer® 9.0 (32 bit) Windows® Internet Explorer® 9.0 (32 bit) windows® Internet Explorer® 7.0 (32 bit) windows® Internet Space 1.0 (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps x 480 / 320 x 180, up to 30 fps ty / Best effort / Advanced VBR 1 / 3 / 5 / 7 .5 / 10 / 12 / 15 / 20 / 30 fp 1 / 3 / 5 / 7 .5 / 10 / 12 / 15 / 20 / 30 fp 1 / 3 / 7 / 5 / 10 / 12 / 15 / 20 / 30 fp 1 / 3 / 7 / 5 / 10 / 12 / 15 / 20 / 30 fp 1 / 3 / 7 / 5 / 10 / 12 / 15 / 20 / 30 fp 1 / 3 / 7 / 5 / 10 / 12 / 15 / 20 / 30 fp 1 / 3 / 4 s / 5 s / 3 s / 4 s / 5 s /	

- 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.

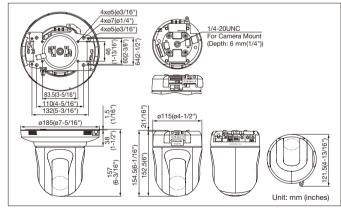
TV System		NTSC	PAL	
Network	Maximum Concurrent	Up to 14		
	Access Number	(Depends on network conditions)		
	SDHC/SD Memory Card	H.264 recording: Manual REC / Álarm REC (PRE/Post) / Schedule REC JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure Compatible SD (SDHC) card: Panasonic 256 MB, 512MB, 1GB, 2 GB, 4 GB*, 8 GB*, 16GB*, 32GB* model *SDHC card		
	(Option)			
	Cellular Phone Compatibility	JPEG image, panning / tilting / zoom control, AUX control (by access level)		
Alarm	Alarm Source	3x Terminal inputs, VMD, Command alarm SD memory recording, E-mail notification, Indication on browser, Camera positioning, Preset position 1 ~ 64, FTP image transfer, Terminal output, Panasonic protocol output With SD memory card: 5,000 logs, Without SD memory card: 1,000 logs Alarm/VMD/Access permission, Preset position call, Position refresh, H.264 recording		
	Alarm Actions			
	Alarm Log			
	Schedule			
Input /	Monitor Output	1.0 V [p-p] / 75 Ω, NTSC composite,	1.0 V [p-p] / 75 Ω, PAL composite,	
Output	(for adjustment)			
	Microphone/Line Input			
	Audio Output ø3.5 mm stereo mini jack (monaural output) Line level			
		Output impedance: Approx. 600 Ω, Line level		
	External I/O Terminals	ALARM IN 1, ALARM IN 2 / ALARM O		
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA),		
			EN55024), GOST (GOST R 51558)	
		DOC (ICES003 ClassA)		
	Power Source/	12 V DC, PoE (IEEE802.3af compliant)		
	Consumption	12 V DC : 690 mA, PoE 48 V : 10 W / 190 mA (Class 0 device)		
	Ambient Operating	−10 °C ~ +50 °C (14 °F ~ 122 °F),		
	Temperature/Humidity	90% or less (whitout condensation)		
	Dimensions	ons a115 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 The pan/tilt-flip function cannot be activated by clicking live images. When the zoom ratio is adjusted to the "TELE" side, images will be partially hidden even if the pan/tilt-flip function is activated.
- *2 H.264 and MPEG-4 are alternative. *3 [4:3] and [16:9] are alternative.

Part Names and Functions



Appearance



Trademarks and registered trademarks

- Microsoft, and Windows are registered trademarks of Microsoft Corporation in the U.S. and other countries.
 UniPhier is a registered trademark of Panasonic Corporation.
- "i-PRO SmartHD" logo is trademarks or registered trademarks of Panasonic Corporation.
- ONVIF and the ONVIF logo are trademarks of ONVIF Inc.

Important

- 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.

DISTRIBUTED BY:

