# **Panasonic**

## **Super Dynamic Weather Resistant HD Dome Network Camera WV-SW395**

# WV-SW395A

(Rain Wash Coating Model)



### HD/1,280 x 960 H.264 Weather Proof 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
- Privacy Zone can mask up to 8 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
- Supports Power over Ethernet Plus (PoE+) IEEE 802.3at (Type2 compliant, Class 4 device) Does not support IEEE802.3af
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard.
- Dehumidification device for use in various weather conditions
- Built-in fan/heater/sun shield for temperature changes of -40 °C ~ +50 °C  $(-40 \, ^{\circ}\text{F} \sim +122 \, ^{\circ}\text{F}) (24 \, \text{V AC}), -30 \, ^{\circ}\text{C} \sim +50 \, ^{\circ}\text{C} (-22 \, ^{\circ}\text{F} \sim 122 \, ^{\circ}\text{F}) (PoE+)$
- · Rain wash coating dome cover (WV-SW395A)

#### **Standard Accessories**

• CD-ROM*11 po • Installation Guide1 po	
The followings are for installation.  • 8P Alarm Cable	c.

- Front/Rear Sun Shield Fixing Screws ...... 2 pcs. (incl. 1 spare)
- Code Label\*2 .....
- \*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 Accessory**

Wall Mount Bracket WV-Q122 (PAL model only)



- User License Accessory (For MPEG-4) BB-HCA5A (NTSC model) BB-HCA5CE (PAL model, Korea)\*
  - User License Accessory (For H.264) BB-HCA8A (NTSC model) BB-HCA8CE (PAL model, Korea)
- \* Required in Korea

\* This catalog is provided for all over the world. Some accessories may not be available in some countries

#### **Specifications**

Camera	Image Sen	isor	NTSC 1/3 type MOS Sensor	PAL
			1/3 type MOS Sensor	
	Effective P		Approx. 1.3 megapixel	
	Scanning I		Progressive scan	
	Scanning /		4.8 mm (H) x 3.6 mm (V)	
	Minimum I	Illumination	Color: 0.5 lx, B/W: 0.06 lx at F1.6 (\$	
			Color: 0.031 lx, B/W: 0.004 lx at F1	
	White Bala		AWC (2,000 ~ 10,000 K), ATW1 (2,700	
	Light Cont		Indoor scene (50 Hz / 60 Hz) / Outo	
	Shutter Sp	eed	Fix shutter: OFF (1/30), 3/100, 3/12	
			1/120, 1/250, 1/500, 1/1,000, 1/2,0	00, 1/4,000, 1/10,000
	Super Dyn	amic	ON / OFF	
	Face Supe	er Dynamic	ON / OFF (Only at Super Dynamic:	ON)
	Dynamic F	Range	52 dB typical (Super Dynamic: ON,	Light Control mode: Indoor)
		Black Stretch	ON / OFF	,
	AGC		ON (LOW, MID, HIGH) / OFF	
	Electronic Sensitivity UP		OFF, max. 2/30 s, max. 4/30 s, max	6/30 s max 10/30 s max 16/30 s
		White Mode	Mode: AUTO1 / AUTO2 / AUTO3 /	
	Didok dila	WHITE WOOL	Level: High / Low, with external con	
	D: TINE	D. L. C.		ilitoi
	Digital Noise Reduction		High / Low 4 areas, Sensitivity: 15 steps, Deter	-tii 10 -t
	Video Motion Detection			ction size. To steps
	Privacy Zone		Up to 8 zones, Gray / Mosaic	
	Auto Image Stabilizer		ON / OFF	
	Camera Title (OSD)		Up to 20 alphanumeric characters (3 selectable character sizes)	
Lens	Focal Length		4.7 mm ~ 84.6 mm	
	Zoom Ratio		18x / 36x with extra optical zoom (under VGA)	
	Digital (Electronic) Zoom		12x (Max. 432x combined with extra optical zoom under VGA)	
	Angular Field of View		H: 3.2° (Tele) ~ 55.2° (Wide), V: 2.4° (Tele) ~ 42.1° (Wide)	
	Maximum Aperture Ratio		1: 1.6 (Wide) ~ 4.6 (Tele)	
	Focusing Range		1.5 m ~ ∞	
	Aperture Range		F1.6 ~ 22, Close	
Pan and Tilt	Panning Range		0° ~ 350° (With Pan-Flip: 0° ~ 360°	2)
	Panning Speed		Manual: approx. 0.5°/s ~ 100°/s, Up to	
	Fairning Speed		Preset: up to approx. 300°/s	
	Tilting Range		-30° ~ 90° (upward-level-downwar	d) (With Tilt-Flip: -30°-, 210°)
	Iing i idil	5-	Tilting angle limit: 10° / 5° / 3° / 0°	
			-25° *4 / -30° *4	-3 /-3 /-10 /-13 /-20 4/
	Tilting Spe	ed:	Manual: approx.0.5°/s ~ 100°/s, Up to 2	256 steps (depending on the controller
			Preset: up to approx. 100°/s	
		al Pan/Tilt Control	Yes	
		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 /
	Ooii Fiotairi		30 min / 60 min	
	Pan/tilt Flip	n *1	ON / OFF	
	Map Shot	· · · · · · · · · · · · · · · · · · ·	360° map shot / preset map shot	
Browser GUI			Pan/Tilt (16 steps), Zoom, Focus, C	Nick contaring Drag zoom Iris
browser dui				
	DisalauMada		Preset position call and program, A	
	Display Mode		Spot, Quad: Image from 16 cameras	
			screens or 16 split screen (JPEG only). 20 characters camera title available.  Up to 20 alphanumeric characters	
	Camera Title		Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual/AUTO)	
	Clock Display			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 t	the SDHC/SD memory card can
	,		be downloaded.	
		Menu Language	English French	English French Italian Spanish
		Menu Language	English, French (Installation required for French)	English, French, Italian, Spanish, German, Russian (Installation
		Menu Language	English, French (Installation required for French)	German, Russian (Installation
	GUI/Setup		(Installation required for French)	German, Russian (Installation required except for English)
			(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S	German, Russian (Installation required except for English) DHC/SD memory when the
	GUI/Setup	og	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) ei	German, Russian (Installation required except for English)  DHC/SD memory when the rror logs
	GUI/Setup	og	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) et Microsoft® Windows® 7 Profession	German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit,
	GUI/Setup	og	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) et Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busine	German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32 bit,
	GUI/Setup	og	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) et Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession	German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, sss SP1 32 bit, and SP3
	GUI/Setup	og	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) ei Microsoft® Windows® 7 Profession Microsoft® Windows® XP Profession The language of the OS must be set.	German, Russian (Installation required except for English) DHC/SD memory when the roro logs al 64 bit/32 bit, ss SP1 32 bit, onal SP3 ame as selected GUI language.
	GUI/Setup	og I OS	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) et Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession	German, Russian (Installation required except for English) DHC/SD memory when the roro logs al 64 bit/32 bit, ss SP1 32 bit, onal SP3 ame as selected GUI language.
	GUI/Setup System Lo Supported	og I OS	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) ei Microsoft® Windows® 7 Profession Microsoft® Windows® XP Profession The language of the OS must be set.	German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32 bit, and SP3 arme as selected GUI language. The Windows* 7 Professional 64 bit/32 bit, should be selected GUI language.
	GUI/Setup System Lo	og I OS	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) e Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession The language of the OS must be st Windows® 1,000 (Microsoft® 8.0 (Microsoft® 9.0 (Microsoft®	German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32 bit, anal SP3 ame as selected GUI language. ft® Windows 7 Professional 64 bit/32 bit, ft® Windows Vista® Business SP1 32 bit)
Network	GUI/Setup System Lo	I Browser	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) et Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busine Microsoft® Windows® XP Professic The language of the OS must be st Windows® Internet Explorer® 8.0 (Microso Windows® Internet Explorer® 7.0 (Microso Windows® Temmet Explorer® 7.0 (Microso Windows® Tempet Explorer® 7.0 (Microso Windo	German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32 bit, and SP3 ame as selected GUI language. Tel Windows® 7 Professional 64 bit/32 bit for Windows Vista® Business SP1 32 bit crosoft® Windows® VR Professional SP3 crosoft® Windows® VR Professional SP3
Network	GUI/Setup  System Lo  Supported  Supported  Network IF	I OS	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) e Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession The language of the OS must be st Windows® Internet Explore® 8.0 (Microsoft® Windows® Internet Explore® 7.0 (Microsoft® Internet Explore® 6.0 SP3 (Midrosoft® Interne	German, Russian (Installation required except for English) DHC/SD memory when the roor logs all 64 bit/32 bit, ss SP1 32 bit, and SP3 ame as selected GUI language. Tell Windows Vista® Business SP1 32 bit, or crosoft® Windows Vista® Business SP1 32 bit, and SP3 ame as selected GUI language.
Network	GUI/Setup System Lo Supported Supported Network IF	I Browser  Aspect ratio:	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) et Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busine Microsoft® Windows XP Profession The language of the OS must be se Windows® Internet Explore® 6.0 Microsoft® Internet Explore® 6.0 SP3 (Microsoft® Internet Expl	German, Russian (Installation required except for English) DHC/SD memory when the ror logs at 64 bit/32 bit, sa SP1 32 bit, onal SP3 ame as selected GUI language. If Windows Professional 64 bit/32 bit fill Windows Vista® Business SP1 32 bit) crosoft® Windows XP Professional SP3 rncrosoft® Windows AP Professional SP3 rncrosoft® Professional SP3 rncrosoft
Network	GUI/Setup  System Lo  Supported  Supported  Network IF  Image Resolution	I Browser  Aspect ratio:	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) et Microsoft® Windows® TyProfession Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession File language of the OS must be ss Windows® Internet Explore® 8.0 (Microsof Windows® Internet Explore® 6.0 (Microsof Windows® Internet Explore® 6.0 SP3 (Mi 10Base-T / 100Base-T X, RJ-45 col. 14.284 : 1,280 × 980 / 800 × 600 / VGA (64 MPEG-4: VGA (640 × 480) / QVGA	German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32 bit, snal SP3 mme as selected GUI language. ft <sup>®</sup> Windows Vista <sup>®</sup> Business SP1 32 bit, show the stab
Network	GUI/Setup System Lo Supported Supported Network IF	I Browser  Aspect ratio:	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG) e Microsoft® Windows® 7 Profession Microsoft® Windows Wstat® Busine Microsoft® Windows® NP Profession File Internet Explore® 8.0 (Microsoft® Windows® Internet Explore® 7.0 (Microsoft® Microsoft® Microsoft® Microsoft® Notement Explore® 6.0 SP3 (Microsoft® Internet Explore® 6.0 SP3 (Microsoft® 6.0 SP3 (Microsof	German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32 bit, snal SP3 mme as selected GUI language. ft <sup>®</sup> Windows Vista <sup>®</sup> Business SP1 32 bit, show the work of the Windows Vista <sup>®</sup> Business SP1 32 bit, show the work of the Windows Vista <sup>®</sup> Business SP1 32 bit, show the work of
Network	GUI/Setup  System Lo  Supported  Supported  Network IF  Image Resolution	Pog I OS  Browser  Aspect ratio: [4 : 3]	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) el Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busine Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession The language of the OS must be significated by the state of t	German, Russian (Installation required except for English) DHC/SD memory when the more logs at 64 bit/32 bit, sa SP1 32 bit, onal SP3 ame as selected GUI language. If Windows P Professional 64 bit/32 bit file Windows Vista® Business SP1 32 bit) crosoft® Windows VP Professional SP3 note® Windows VP Professional SP3 note VP VI
Network	GUI/Setup  System Lo  Supported  Supported  Network IF  Image Resolution	OS  Browser  Aspect ratio:  [4:3]	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) el Microsoft® Windows® 7P Profession Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession File alanguage of the OS must be ss Windows® Internet Explore® 8.0 (Microso Windows® Internet Explore® 8.0 (Microsoft® Internet Explore® 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 on H.264: 1,280 x 960 / 480 /	German, Russian (Installation required except for English) DHC/SD memory when the ror logs at 64 bit/32 bit, ss SP1 32 bit, and SP3 mme as selected GUI language. ft <sup>®</sup> Windows Vista <sup>®</sup> Business SP1 32 bit, ft <sup>®</sup> Windows Vista <sup>®</sup> Business SP1 32 bit, ft <sup>®</sup> Windows Vista <sup>®</sup> Business SP1 32 bit) and SP3 meetor 0 x 480 / OVGA (320 x 240), up to 30 fp (320 x 240), up to 30 fp (540 x 480) / VGA (640 x 480) / VGA (640 x 480) / VGA (640 x 480) / VGA (940, up to 30 fps x 180, up to 30 fps
Network	GUI/Setup  System Lo  Supported  Supported  Network IF  Image Resolution *2 *3	Pg  I OS  I Browser  Aspect ratio: [4:3]  Aspect ratio: [16:9]	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG) e Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession Microsoft® Windows® Notato® Busine Microsoft® Windows® Notato® Busine Microsoft® Mindows® Notato® 10 Microsoft® Mindows® Internet Explore® 8.0 (Microsoft® Microsoft® 10 Microsoft® Internet Explore® 6.0 SP3 (Mi 10Base-T / 100Base-T / 100Base	German, Russian (Installation required except for English) DHC/SD memory when the ror logs all 64 bit/32 bit, ss SP1 32 bit, snal SP3 ame as selected GUI language. The Windows* Professional 64 bit/32 bit; stem with the Windows* Professional SP3 anne as selected Windows* SP1 32 bit; stem with the Windows* Professional SP3 annector 0 x 480 / OVGA (320 x 240), up to 30 fps x 600 / VGA (640 x 480) / CVGA (640 x 480) / CVGA (640 x 480) / SP3 x 380 / 320 x 180, up to 30 fps x 380 / 320 x 180, up to 30 fps
Network	GUI/Setup System Lo Supported Supported Network IF Image Resolution "2 "3	Pog I OS  Browser  Aspect ratio: [4 : 3]  Aspect ratio: [16 : 9]  Transmission Mode	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) el Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busine Microsoft® Windows Vista® Busine Microsoft® Windows® XP Profession The language of the OS must be significant with the set of the se	German, Russian (Installation required except for English) DHC/SD memory when the more logs at 64 bit/32 bit, so SP1 32 bit, onal SP3 arms as selected GUI language. The Windows® P Professional 64 bit/32 bit, so SP1 32 bit, onal SP3 windows SP Professional 64 bit/32 bit, so SP1 32 bit, onal SP3 meet or SP3 meet or SP4 Windows® XP Professional SP3 meetor Over 480) / OVGA (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps y / Best effort
Network	GUI/Setup  System Lo  Supported  Supported  Network IF Image Resolution *2 *3  H.264/ MPEG-4	OS  Browser  Aspect ratio: [4 : 3]  Aspect ratio: [16 : 9]  Transmission Mode Frame Rate	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) e Microsoft® Windows® 7 Profession Microsoft® Windows 8 P. Profession Windows® Windows® Noust be set Windows® Internet Explore® 8.0 (Microsoft® Microsoft® Horenet Explore® 7.0 (Microsoft® Microsoft® Horenet Explore® 7.0 (Microsoft® Microsoft® Horenet Explore® 7.0 (Microsoft® Horenet Explore® 6.0 SP3 (Microsoft® Horenet Explore® 6.0 SP3 (Mi Microsoft® Horenet Explore® 4.0 Microsoft® Horenet Explore® 6.0 SP3 (Mi MPEG-4: 1,280 x 960 / 800 x 600 VY64) (VGA JPEG (MJPEG): 1,280 x 960 / 800 QVGA (320 x 240), up to 30 fps 1,264: 1,263 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,750 Y 10 / 15 / 20 / 30 fps	German, Russian (Installation required except for English) DHC/SD memory when the mor logs at 64 bit/32 bit, ss SP1 32 bit, and SP3 mme as selected GUI language. ft <sup>®</sup> Windows Vista <sup>®</sup> Business SP1 32 bit, ft <sup>®</sup> Windows Vista <sup>®</sup> Business SP1 32 bit, ft <sup>®</sup> Windows Vista <sup>®</sup> Business SP1 32 bit, ft <sup>®</sup> Windows Vista <sup>®</sup> Business SP1 32 bit, ft <sup>®</sup> Windows VXP Professional SP3 nector 0 x 480 / Vio
Network	GUI/Setup System Lo Supported Supported Network IF Image Resolution "2 "3	Pog I OS  Browser  Aspect ratio: [4 : 3]  Aspect ratio: [16 : 9]  Transmission Mode	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG), et Microsoft® Windows® 7 Profession Microsoft® Windows WxP Profession File International Microsoft® Windows® XP Profession Windows® Internet Explore® 8.0 (Microsoft® Windows® Internet Explore® 7.0 (Microsoft® Microsoft® Internet Explore® 7.0 (Microsoft® Internet Explore® 6.0 SP3 (Mi 10Base-T / 100Base-T X, RJ-45 coll +26±1,280 x 960 / 800 x 600 / VGQ (A MPEG -4: VGA (640 x 480) / QVGA JPEG (MJPEG): 1,280 x 960 / 800 QVGA (320 x 240), up to 30 fps 1,264 x 1,280 x 720 / 640 x 360 / 3: 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.	German, Russian (Installation required except for English) DHC/SD memory when the ror logs all 64 bit/32 bit, ss SP1 32 bit, snal SP3 ame as selected GUI language. The Windows Professional 64 bit/32 bit, steep with the Windows Professional 64 bit/32 bit, steep with the Windows Professional SP3 annector 0 x 480 / OVGA (320 x 240), up to 30 fps x 600 / VGA (640 x 480) / OVGA (640 x 640) / OVG
Network	GUI/Setup  System Lo  Supported  Supported  Network IF Image Resolution *2 *3  H.264/ MPEG-4	Pog I OS  Browser  Aspect ratio: [4 : 3]  Aspect ratio: [16 : 9]  Transmission Mode  Frame Rate  Bit Rate/Client	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) el Microsoft® Windows® 7 Profession Microsoft® Windows Stata® Busine Microsoft® Windows Stata® Busine Microsoft® Windows® XP Profession The language of the OS must be st Windows® Internet Explore® 6.0 Microsoft® Internet Explore® 7.0 (Microsoft® Internet Explore® 6.0 SP3 (Microsoft® 6.0 SP3	German, Russian (Installation required except for English) DHC/SD memory when the ror logs all 64 bit/32 bit, ss SP1 32 bit, snal SP3 ame as selected GUI language. The Windows Professional 64 bit/32 bit, steep with the Windows Professional 64 bit/32 bit, steep with the Windows Professional SP3 annector 0 x 480 / OVGA (320 x 240), up to 30 fps x 600 / VGA (640 x 480) / OVGA (640 x 640) / OVG
Network	GUI/Setup  System Lo  Supported  Supported  Network IF Image Resolution *2 *3  H.264/ MPEG-4	OS  Browser  Aspect ratio: [4 : 3]  Aspect ratio: [16 : 9]  Transmission Mode Frame Rate	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) e Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession Hicrosoft® Windows® NEP rofession The language of the OS must be st Windows® Internet Explore® 7.0 (Microso Windows® Internet Explore® 1.0 (Microso Windows® Internet Explore® 1.0 (Microso Windows® Internet Explore® 0.0 PS 0.0 Microsoft® Internet Explore® 0.0 PS 0.0 Microsoft® Internet Explore® 0.0 PS 0.0 Microsoft® Internet Explore® 1.2 Microsoft® 1.2 Mi	German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32 bit, snal SP3 mme as selected GUI language.  till Windows 97 Professional 64 bit/32 bit, stell windows 98 Professional 64 bit/32 bit, snal SP3 mme as selected GUI language.  till Windows 98 Professional SP3 annector on x 480 / OVGA (320 x 240), up to 30 fp sx 600 / VGA (640 x 480) / 20 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps y 360 / 320 x 180, up to 30 fps y 1/3/5/7.5/10/12/15/20/30 fps y 1/3/5/7/10/12/15/20/30 fps y 1/3/5/7/10/12/15/20/30 fps y 1/3/5/7/10/12/15/20/30 fps y 1/3/5/7/10/12/15/20/30 fps y 1/3/5/7/10/2
Network	GUI/Setup  System Lo  Supported  Supported  Network IF Image Resolution *2 *3  H.264/ MPEG-4	Pog I OS  Browser  Aspect ratio: [4 : 3]  Aspect ratio: [16 : 9]  Transmission Mode  Frame Rate  Bit Rate/Client	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) el Microsoft® Windows® 7 Profession Microsoft® Windows Stata® Busine Microsoft® Windows Stata® Busine Microsoft® Windows® XP Profession The language of the OS must be st Windows® Internet Explore® 6.0 Microsoft® Internet Explore® 7.0 (Microsoft® Internet Explore® 6.0 SP3 (Microsoft® 6.0 SP3	German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32 bit, sal 64 bit/32 bit, ss SP1 32 bit, snal SP3 mme as selected GUI language.  ti® Windows® 7 Professional 64 bit/32 bit crosoft® Windows Vs1a® Business SP1 32 bit, ornactor 0. x 480 / OVGA (320 x 240), up to 30 fp s x 600 / VGA (640 x 480) / 20 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps y / Best effort 1/3/5/7.5/10/12/15/20/30 fps 1/3/57/5/10/12/15/20/30 fps 224 / 1,536 / 2,048 / 3,072 / 1,264 mode only
Network	GUI/Setup  System Lo  Supported  Supported  Network IF Image Resolution *2 *3  H.264/ MPEG-4	Pg  Browser  Aspect ratio: [4:3]  Aspect ratio: [16:9]  Transmission Mode Frame Rate Bit Rate/Client  Image Quality Refresh Interval	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG), et Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession Microsoft® Windows® Notate® Busine Microsoft® Windows® Notate® Busine Microsoft® Windows® Notate® 100 Microsoft® Windows® Internet Explore® 8.0 (Microsoft® Microsoft® 100 Micr	German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32 bit, sal 64 bit/32 bit, ss SP1 32 bit, snal SP3 mme as selected GUI language.  ti® Windows® 7 Professional 64 bit/32 bit crosoft® Windows Vs1a® Business SP1 32 bit, ornactor 0. x 480 / OVGA (320 x 240), up to 30 fp s x 600 / VGA (640 x 480) / 20 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps y / Best effort 1/3/5/7.5/10/12/15/20/30 fps 1/3/57/5/10/12/15/20/30 fps 224 / 1,536 / 2,048 / 3,072 / 1,264 mode only
Network	GUI/Setup  System Lo  Supported  Supported  Network IF  Image Resolution  2 *3  H.264/ MPEG-4  2	Aspect ratio: [4 : 3]  Aspect ratio: [16 : 9]  Aspect ratio: [Inese Dit Rate/Client Image Quality Refresh Interval Transmission Type	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) et Microsoft® Windows® 7. Profession Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession Microsoft® Windows® XP Brofession Microsoft® Honest Explore® 8.0 (Microsof Windows® Internet Explore® 8.0 (Microsof Windows® Internet Explore® 6.0 SP3 (MiCrosof Windows® 1.0 SP3 (MiCrosof VI) (MiCrosof VII) (MiCrosof VIII) (MiCrosof VIIII) (Microsof VIII) (	German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32 bit, sal 64 bit/32 bit, ss SP1 32 bit, snal SP3 mme as selected GUI language.  ti® Windows® 7 Professional 64 bit/32 bit crosoft® Windows Vs1a® Business SP1 32 bit, ornactor 0. x 480 / OVGA (320 x 240), up to 30 fp s x 600 / VGA (640 x 480) / 20 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps y / Best effort 1/3/5/7.5/10/12/15/20/30 fps 1/3/57/5/10/12/15/20/30 fps 224 / 1,536 / 2,048 / 3,072 / 1,264 mode only
Network	GUI/Setup  System Lo  Supported  Supported  Network IF Image Resolution '2 '3  H.264/ MPEG-4 '2	Pg  I Browser  Aspect ratio: [4 : 3]  Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Image Quality	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) e Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession Microsoft® Windows® NP Profession The language of the OS must be st Windows® Internet Explore® 8.0 (Microsoft Windows® Internet Explore® 7.0 (Microsoft Windows® Internet Explore® 7.0 (Microsoft Windows® Internet Explore® 7.0 (Microsoft Windows® Internet Explore® 8.0 (Wincosoft® Internet Explore® 0.0 \$P3 (MI 10Base-T / 100Base-T X, RJ-45 col H.264: 1,280 x 960 / 800 x 600 V/GA (320 x 240), up to 30 fps H.264: 1,280 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,280 x 720 / 640 / Constant bitrate / Framerate priorit 1/3 / 57 / 57 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,4096 / 8,192* kbps / Unlimited * I-LOW / NORMAL / FINE  LOW / NORMAL / FINE  0.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / UNICAST / MULTICAST 10 steps	German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32 bit, sal 64 bit/32 bit, ss SP1 32 bit, snal SP3 mme as selected GUI language.  ti® Windows® 7 Professional 64 bit/32 bit crosoft® Windows Vs1a® Business SP1 32 bit, ornactor 0. x 480 / OVGA (320 x 240), up to 30 fp s x 600 / VGA (640 x 480) / 20 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps y / Best effort 1/3/5/7.5/10/12/15/20/30 fps 1/3/57/5/10/12/15/20/30 fps 224 / 1,536 / 2,048 / 3,072 / 1,264 mode only
Network	GUI/Setup  System Lo  Supported  Supported  Network If Image Resolution *2 *3  H.264/ MPEG-4 *2  JPEG (MJPEG)	Browser  Aspect ratio: [4:3]  Aspect ratio: [6:9]  Transmission Mode Frame Rate Bit Rate/Client  Image Quality Refresh Interval Transmission Type Quality Transmission Type	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG), el Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession The language of the OS must be Windows® Internet Explore® 8.0 (Microsoft® Windows® Internet Explore® 7.0 (Microsoft® Windows® Internet Explore® 7.0 (Microsoft® Internet Explore® 6.0 SP3 (MI OBBSE-T / 100Base-TX, RJ-45 cot H.264: 1,280 x 960 / 800 x 600 / VGQ Ad JPEG (MJPEG): 1,280 x 960 / 800 VGQ Ad JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 3: JPEG (MJPEG): 1,280 x 720 / 640 x 360 x 72	German, Russian (Installation required except for English) DHC/SD memory when the ror logs all 64 bit/32 bit, ss SP1 32 bit, onal SP3 arms as selected GUI language. The Windows Professional 64 bit/32 bit fit Windows Vista® Business SP1 32 bit, stress of the Windows VXP Professional SP3 nector 0 x 480 / CVGA (320 x 240), up to 30 fps x 600 / VGA (640 x 480) / CVGA (640 x 640) / CVGA (640 x 6
Network	GUI/Setup  System Lo  Supported  Network IF Image Resolution *2 *3  H.264/ MPEG-4 *2  JPEG (MJPEG) Audio Con	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 Quality Transmission Type Image Page Rate Transmission Type Transmi	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) el Microsoft® Windows® 7P Profession Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession Fine language of the OS must be sa Windows® Internet Explore® 8.0 (Microsof Windows® Internet Explore® 8.0 (Microsof Windows® Internet Explore® 8.0 (Microsof Windows® Internet Explore® 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 co H.264: 1,280 × 960 / 800 WPEG-4: VGA (640 × 480) / OVGA (340 WPEG-4: VGA) (640 × 480) / OVGA (340 × 360 / 33 JPEG (MJPEG): 1,280 × 960 / 800 OVGA (320 × 240), up to 30 fps H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 33 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 30 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 30 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 30 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 30 JPEG (MJPEG): 1,380 × 720 / 540 × 360 / 30 JPEG (MJPEG): 1,380 × 360 / 3	German, Russian (Installation required except for English) DHC/SD memory when the ror logs at 64 bit/32 bit, ss SP1 32 bit, and SP3 mme as selected GUI language. tf <sup>®</sup> Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> V
Network	GUI/Setup  System Lo  Supported  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 Image Quality Transmission Type Image Page Rate Transmission Type Transmi	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG), et Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession Microsoft® Windows® Profession Hidden 100 Microsoft® Windows® Notation 100 Microsoft® Windows® Notation 100 Microsoft® Microsoft® 100 Microsoft®	German, Russian (Installation required except for English) DHC/SD memory when the ror logs at 64 bit/32 bit, ss SP1 32 bit, and SP3 mme as selected GUI language. tf <sup>®</sup> Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> Business SP1 32 bit, shown of the Windows Vista <sup>®</sup> V
Network	GUI/Setup  System Lo  Supported  Network IF Image Resolution *2 *3  H.264/ MPEG-4 *2  JPEG (MJPEG) Audio Con	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 Quality Transmission Type Image Page Rate Transmission Type Transmi	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG), el Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession Microsoft® Windows® Neta® Busine Microsoft® Windows® Neta® Busine Microsoft® Windows® Neta® Busine Windows® Internet Explore® 8.0 (Microsoft® Microsoft® 10 Microsoft® Microsoft® 10 Microsoft	German, Russian (Installation required except for English) DHC/SD memory when the ror logs all 64 bit/32 bit, ss SP1 32 bit, onal SP3 arms as selected GUI language. The Windows Professional 64 bit/32 bit fit Windows VST Professional SP3 nector 0 × 480 / OVGA (320 × 240), up to 30 fps × 600 / VGA (320 × 240), up to 30 fps × 600 / VGA (840 × 480) / OVGA (
Network	GUI/Setup  System Lo  Supported  Network If Image Resolution *2 *3  H.264/ MPEG-4 *2  JPEG (MJPEG) Audio Con Audio Moc	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 Quality Transmission Type Image Page Rate Transmission Type Transmi	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG), et Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession Microsoft® Windows® Profession Hidden 100 Microsoft® Windows® Notation 100 Microsoft® Windows® Notation 100 Microsoft® Microsoft® 100 Microsoft®	German, Russian (Installation required except for English) DHC/SD memory when the ror logs all 64 bit/32 bit, ss SP1 32 bit, onal SP3 arms as selected GUI language. The Windows Professional 64 bit/32 bit fit Windows VST Professional SP3 nector 0 × 480 / OVGA (320 × 240), up to 30 fps × 600 / VGA (320 × 240), up to 30 fps × 600 / VGA (840 × 480) / OVGA (
Network	GUI/Setup  System Lo  Supported  Network If Image Resolution *2 *3  H.264/ MPEG-4 *2  JPEG (MJPEG) Audio Con Audio Moc	Pg OS OS Aspect ratio: [4 : 3] Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Transm	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG), el Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession Microsoft® Windows® Neta® Busine Microsoft® Windows® Neta® Busine Microsoft® Windows® Neta® Busine Windows® Internet Explore® 8.0 (Microsoft® Microsoft® 10 Microsoft® Microsoft® 10 Microsoft	German, Russian (Installation required except for English) DHC/SD memory when the mor logs at 164 bit/32 bit, ss SP1 32 bit, and 164 bit/32 bit, ss SP1 32 bit, and 164 bit/32 bit, see Selected GUI language. It will will be suffered with the selected GUI language. It will be suffered will be suffered with the selected GUI language. It will be suffered will be suffered with the suffered will be suffe
Network	GUI/Setup  System Lo  Supported  Network If Image Resolution *2 *3  H.264/ MPEG-4 *2  JPEG (MJPEG) Audio Con Audio Moc Authentica Total Bit R	Pg  I OS  I 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 Cuality Transmission T	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) e Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession Microsoft® Windows® Notate® Busine Microsoft® Windows® Notate® Busine Microsoft® Windows® Notate® Busine Microsoft® Mindows® Internet Explorer® 8.0 (Microsoft® Microsoft® 100 M	German, Russian (Installation required except for English) DHC/SD memory when the ror logs all 64 bit/32 bit, ss SP1 32 bit, and SP3 ame as selected GUI language. 16 Windows Professional 64 bit/32 bit file Windows SP Professional 64 bit/32 bit file Windows SP Professional SP3 annector 0. 480 / OVGA (320 × 240), up to 30 fps × 360 / 320 × 240), up to 30 fps × 360 / 320 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps × 360 / 320 × 180, up to 30 fps / Best effort 1/3 / 5 / 7 / 5 / 10 / 12 / 15 / 20 / 30 fps / 20 / 4 / 1,536 / 2,048 / 3,072 / 1.264 mode only 2 s / 3 s / 4 s / 5 s . G.711 64 kbps ut / Interactive (Half duplex) / sers / 2,048 / 4,096 / 8,192 kbps / Unlimited Sers / 2,048
Network	GUI/Setup  System Lo  Supported  Supported  Network IF Image Resolution *2 *3  H.264/ MPEG-4 *2  JPEG (MJPEG) Audio Con Audio Moc  Authentica	Pg  I OS  I 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 Cuality Transmission T	(Installation required for French)  Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG), el Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession Microsoft® Windows® 8 Profession Microsoft® Windows® 8 Microsoft® Homes Explore® 8.0 (Microsoft® Internet Explore® 8.0 (Microsoft® Internet Explore® 8.0 (Microsoft® Internet Explore® 8.0 (Microsoft® Internet Explore® 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 con H.264: 1,280 x 960 / 800 / MPEG-4: VGA (640 x 480) / OVGA JPEG (MJPEG): 1,280 x 960 / 800 / VGA (320 x 240), up to 30 fps H.264: 1,280 x 970 / 640 x 360 / 33 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,280 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 720 / 640 x 360 / 33 JPEG (MJPEG): 1,380 x 30 x 30 JPEG (MJPEG): 1,380 x 30 JPEG (MJPEG): 1,3	German, Russian (Installation required except for English) DHC/SD memory when the ror logs all 64 bit/32 bit, ss SP1 32 bit, snal SP3 mme as selected GUI language. tf® Windows Vista® Business SP1 32 bit, snal SP3 mme as selected GUI language. tf® Windows Vista® Business SP1 32 bit, snal SP3 corporate Vista® Business SP1 32 bit, snal SP3 corporate Vista® Business SP1 32 bit, snal Vista® V

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 G		
		2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* model * SDHC card		
Cellular Phone Compatibility		JPEG image, panning/tilting/zoom control, AUX control (by access level)		
	Mobile Terminal Compatibility *6	iPad, iPhone, iPod touch (iOS 4.2.1 or later) Android™ mobile terminals		
Alarm	rm Alarm Source 3x Terminal inputs, VMD, Command alarm			
Alarm Actions SD memory recording, E-mail notification,			ndication on browser, Camera positioning, Preset	
		position 1 ~ 64, FTP image transfer, Terminal output, Panasonic protocol output, Auto tr		
	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 record		
Input /	Monitor Output	1.0 V [P-P] / 75 Ω, NTSC composite, 1.0 V [P-P] / 75 Ω, PAL composite,		
Output	(for adjustment)	BNC	BNC	
	Microphone/Line Input	MIC IN and Line IN are selectable. ø3.5 mm monaural mini jack		
		(Applicable microphone: Plug-in po	ower type),	
	Supply voltage: 2.5 V ±0.5 V, II		out 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/	24 V AC (50 Hz / 60 Hz): approx. 43 W Heater ON		
	Consumption	PoE Plus: approx. 24.0 W (IEEE802.3at Type2 compliant, Class 4 device) Heater ON		
	Ambient Operating	-40 °C ~ +50 °C (-40 °F ~ 122 °F) (24 V AC) *5,		
	Temperature/Humidity	-30 °C ~ +50 °C (-22 °F ~ 122 °F) (PoE Plus), 90 % or less (without condensation)		
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible		
	Dimensions	ø229 mm x 360.8 mm (H) (ø9-1/32" x 14-3/16" (H)), Diameter of the dome: 150 mm (5-29/32")		
	Mass (approx.)	4.6 kg (10.14 lbs.)		

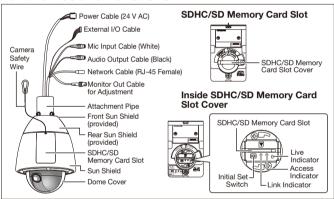
I 4.6 kg (10.14 los.)

14.6 kg (10.14 los.)

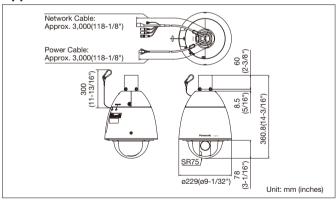
14.6 kg (10.14 los.)

14.6 pal/cition software V.1.05 / Driver software V.1.22 or later. 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. '4 Images may partially covered depending on the housing brackets. '5 When used with a continuous power supply (camera internal temperature must be above -10°C, and installation and startup should be done at above -30°C). '6 For further information about compatible devices, refer to our website (http://panasonic.net/pss/security/support/info.html).

#### **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. - iPad, iPhone and iPod touch are registered trademarks of Apple Inc.
- India, in force and in Pool today and registered trademarks of Panasonic Corporation.

   "MEGA Super Dynamic" and "i-PRO SmartHD" logos are 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.

• 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.

#### **DISTRIBUTED BY:**

