# 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 °F ~ +122 °F) (24 V AC), -30 °C ~ +50 °C (-22 °F ~ 122 °F) (PoE+)
- Rain wash coating dome cover (WV-SW395A)

..... 1 pc.

..... 1 set

## Standard Accessories

- CD-ROM\*1 ..... ...1 pc.
- Installation Guide.....1 pc. The followings are for installation.

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

• Front/Rear Sun Shield ......

8P Alarm Cable ...



Some accessories may not be available in some countries

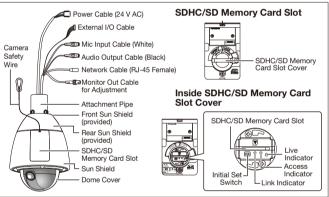
### **Specifications**

Camera	Image Cr	cor	NTSC PAL	
	Image Sen		1/3 type MOS Sensor	
	Effective P		Approx. 1.3 megapixel	
	Scanning Mode		Progressive scan	
	Scanning A	Area	4.8 mm (H) x 3.6 mm (V)	
	Minimum Illumination		Color: 0.5 lx, B/W: 0.06 lx at F1.6 (Shutter: 1/30 s, AGC: High),	
			Color: 0.031 lx, B/W: 0.004 lx at F1.6 (Shutter: 16/30 s, AGC: High)	
	White Balance		AWC (2,000 ~ 10,000 K), ATW1 (2,700 ~ 6,000 K), ATW2 (2,000 ~ 6,000 K)	
	Light Control Mode		Indoor scene (50 Hz / 60 Hz) / Outdoor scene / Fix shutter	
	Shutter Speed		Fix shutter: OFF (1/30), 3/100, 3/120, 2/100, 2/120, 1/100,	
			1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000	
	Super Dynamic		ON / OFF	
	Face Super Dynamic		ON / OFF ON / OFF (Only at Super Dynamic: ON)	
			52 dB typical (Super Dynamic: ON, Light Control mode: Indoor)	
	Dynamic Range		ON / OFF	
	Adaptive Black Stretch		ON (LOW, MID, HIGH ) / OFF	
	AGC Electronic Sensitivity UP Black and White Mode		OFF, max. 2/30 s, max. 4/30 s, max. 6/30 s, max. 10/30 s, max. 16/30 Mode: AUTO1 / AUTO2 / AUTO3 / ON / OFF,	
			Level: High / Low, with external control	
	Digital Noise Reduction		High / Low	
	Video Motion Detection		4 areas, Sensitivity: 15 steps, Detection size: 10 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°)	
	Panning Speed		Manual: approx. 0.5°/s ~ 100°/s, Up to 256 steps (depending on the controller	
	r anning opeed		Preset: up to approx. 300%	
	Tilting Range		-30° ~ 90° (upward-level-downward) (With Tilt-Flip: -30°~ 210°)	
	Tilting Speed		Tilting angle limit: 10° / 5° / 3° / 0° /	
			-25° *4 / -30° *4	
			Manual: approx.0.5°/s ~ 100°/s, Up to 256 steps (depending on the controller	
			Preset: up to approx. 100%s op to 256 steps (depending on the controller)	
			Preset: up to approx. 100°/s Yes	
	Proportional Pan/Tilt Control		64	
	Number of Preset Positions		OFF / preset sequence / auto pan / auto track	
	Auto Mode			
	Image Hold		ON / OFF	
	PTZ Position Display		ON / OFF	
	Self Return		10 s / 20 s / 30 s / 1 min / 2 min / 3 min / 5 min / 10 min / 20 min /	
			30 min / 60 min	
	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 can be displayed in 4 different Quad	
			screens or 16 split screen (JPEG only). 20 characters camera title available.	
	Camera Title		Up to 20 alphanumeric characters	
	Clock Display		Time: 12H / 24H, Date: 5 formats on the	browser, Summer time (Manual/AUTO)
	Alarm Control			
	Alarm Con	trol	Reset	
	Alarm Con One Shot		Reset A still picture will be displayed on a	newly opened window.
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			A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume	adjustment: Low / Middle / High,
	One Shot ( Audio	Capture	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume Audio Output: ON / OFF Volume a	adjustment: Low / Middle / High, djustment: Low / Middle / High
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	One Shot ( Audio SD Memory	Capture y Data Download	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume Audio Output: ON / OFF Volume a Still or motion images recorded in t be downloaded.	adjustment: Low / Middle / High, djustment: Low / Middle / High he SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation
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Network	One Shot ( Audio SD Memon GUI/Setup System Lo Supported Network IF Image Resolution	2 pata Download y Data Download Menu Language g OS Browser 	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume a Audio Output: ON / OFF Volume a Still or motion images recorded in t be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG), le Microsoft® Windows® 7P Profession Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession Microsoft® Mindows® AP Profession Microsoft® Internet Explorer® 8.0 (Microsoft Windows® Internet Explorer® 7.0 (Microsoft Mindows® Internet Explorer® 7.0 (Microsoft Mindows® Internet Explorer® 6.0 (Microsoft Mindows® 1.1280 × 960 / 800 × 800 / VGA JPEG (MJPEG) : 1,280 × 720 / 640 × 360 / 320 JPEG (MJPEG) : 1,280 × 720 / 640 × 360 / 320 JPEG (MJPEG) : 1,280 × 720 / 640 × 370 /	adjustment: Low / Middle / High, djustment: Low / Middle / High the SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, so SP1 32 bit, onal SP3 me as selected GUI language. H <sup>®</sup> Windows <sup>®</sup> Professional 64 bit/32 bit ft <sup>®</sup> Windows <sup>®</sup> Professional 64 bit/32 bit ft <sup>®</sup> Windows <sup>®</sup> Professional SP3 neetor 0 × 480/ / QVGA (320 × 240), up to 30 fp (320 × 240), up to 30 fps × 360 / 320 × 180, up to 30 fps
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Network IF Image Resolution *2 *3 H.264/	y Data Download Menu Language g OS Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume a Xudio Output: ON / OFF Volume a Still or motion images recorded in t be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) e Microsoft® Windows® / TP rofession Microsoft® Windows® Vs TP rofession Microsoft® Windows® NzP Profession Microsoft® Windows® NzP Profession Microsoft® Windows® Internet Explorer® 8.0 (Microsoft Windows® Internet Explorer® 6.0 SP3 (Mi 10Base-T / 100Base-TX, FJ-45 con Microsoft® Internet Explorer® 6.0 SP3 (Mi 10Base-T / 100Base-TX, FJ-45 con Microsoft® Internet Explorer® 6.0 SP3 (Mi 10Base-T / 100Base-TX, FJ-45 con VGA (320 x 240), up to 30 fps H.264: 1,280 x 720 / 640 x 360 / 30 JPEG (MJPEG): 1,280 x 720 / 640	adjustment: Low / Middle / High, djustment: Low / Middle / High the SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32 bit, onal SP3 me as selected GUI language. ft® Windows® 7P Professional 64 bit/32 bit ft® Windows® XP Professional SP3 nnector 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 x 360 / 320 x 180, up to 30 fps y / Best effort
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4	y Data Download Menu Language g OS Browser Aspect ratio: [4 : 3] Transmission Mode Frame Rate	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume a Still or motion images recorded in t be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) eu Microsoft® Windows® XP Profession Microsoft® Windows® Not the se Windows® Internet Explorer® 8.0 (Microsoft Windows® Internet Explorer® 8.0 (Microsoft Windows® Internet Explorer® 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 co Microsoft® (MiCR) (XGA (640 × 480) / QVGA JPEG (MJPEG): 1.280 × 960 / 800. QVGA (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): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1.280 × 720 / 30 fps	adjustment: Low / Middle / High, djustment: Low / Middle / High, he SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the mor logs al 64 bit/32 bit, ss SP1 32 bit, ss SP1 32 bit, anal SP3 ame as selected GUI language. H <sup>®</sup> Windows <sup>®</sup> 7 Professional 64 bit/32 bit ft <sup>®</sup> Windows <sup>®</sup> 7 Professional 64 bit/32 bit ft <sup>®</sup> Windows <sup>®</sup> XP Professional SP3 nector 0 x 480 / OVGA (640 x 480) / 20 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Network IF Image Resolution *2 *3 H.264/	y Data Download Menu Language g OS Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume a Audio Output: ON / OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG, ) en Microsoft® Windows® 7P profession Microsoft® Windows® XP Profession The language of the OS must be set Windows® Internet Explore® 7.0 (Microso Windows® Internet Explore® 3.0 (Microsoft Windows® Internet Explore® 7.0 (Microsoft Windows® Internet Explore® 7.0 (Microsoft Windows® Internet Explore® 7.0 (Microsoft Windows® Internet Explore® 3.0 (Microsoft Windows® Internet Explore® 3.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 cor H.264: 1.280 × 960 / 800 × 600 / VGA (40 L264) - 1.280 × 720 / 640 Constant bitrate / Framerate priorit 1 / 3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1.2 / 768 / 1.	adjustment: Low / Middle / High, djustment: Low / Middle / High the SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4	y Data Download Menu Language g OS Browser [Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client	A still picture will be displayed on a Mic (Line) Input: ON/OFF Volume a Audio Output: ON/OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) ei Microsoft® Windows® / Profession Microsoft® Windows® XP Profession Microsoft® Windows® AP Profession Windows® Internet Explorer® 6.0 SP3 (Mi 10Base-T / 10DBase-TX, FJ-45 cor Microsoft® Internet Explorer® 6.0 SP3 (Mi 10Base-T / 10DBase-TX, FJ-45 cor VicA (320 × 90/.800 × 600 / VGA (44 MPEG-4: VGA (640 × 480) / QVGA JPEG (MJPEG): 1,280 × 780 / 800 / 30 JPEG (MJPEG): 1,280 × 780 / 800 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 720 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1, 4,096 / 8,192 * kbps / Unlimited * H	adjustment: Low / Middle / High, djustment: Low / Middle / High the SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, ss SP1 32 bit, ss SP1 32 bit, ss SP1 32 bit, ss SP1 70fessional 64 bit/32 bit ft <sup>®</sup> Windows <sup>®</sup> P. Professional SP3 neetor 0 × 480) / QVGA (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 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Supported Network IF Image Resolution '2 '3 H.264/ MPEG-4	y Data Download Menu Language g OOS Browser Aspect ratio: [4 : 3] Transmission Mode Frame Rate Bit Rate/Client Image Quality	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG) e Microsoft® Windows® XP profession Microsoft® Windows® XP profession Microsoft® Windows® XP profession Microsoft® Windows® XP profession Microsoft® Mindows® XP profession Microsoft® Internet Explore® 8.0 (Microsoft® Windows® Internet Explore® 8.0 (Microsoft Windows® Internet Explore® 8.0 (Microsoft Windows® Internet Explore® 8.0 (Microsoft Windows® Internet Explore® 8.0 (Microsoft Windows® Internet Explore® 8.0 (Microsoft Windows ® Internet Explore® 8.0 (Microsoft Windows © Internet Explore® 7.0 (Microsoft Wicrosoft ) (Microsoft ) (Wicrosoft ) (Microsoft ) (Wicrosoft )	adjustment: Low / Middle / High, djustment: Low / Middle / High, the SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the roro logs al 64 bit/32 bit, so SP1 32 bit, so SP1 3
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Supported Network IF Image Resolution '2 '3 H.264/ MPEG-4	y Data Download Menu Language g OS Browser Aspect ratio: [4 : 3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume a Audio Output: ON / OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG), le Microsoft® Windows® 7P Profession Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession Microsoft® Mindows® NP Profession Microsoft® Internet Explorer® 8.0 (Microsof Windows® Internet Explorer® 8.0 (Microsof WIDBB 8.0 (MiCrosof 8.0 (Microsof WIDB 8.0 (MiCrosof 8.0 (Micros	adjustment: Low / Middle / High, djustment: Low / Middle / High, the SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the roro logs al 64 bit/32 bit, so SP1 32 bit, so SP1 3
Network	One Shot ( Audio SD Memory GUI/Setup Supported Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2	y Data Download Menu Language g OS Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type	A still picture will be displayed on a Mic (Line) Input: ON/OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) ei Microsoft® Windows® / P Profession Microsoft® Mindows® / P Profession Microsoft® Mindows® / P Profession Microsoft® Internet Explorer® 6.0 SP3 (Mi 10Base-T / 100Base-TX, FJ-45 cord Mindows® Internet Explorer® 6.0 SP3 (Mi 10Base-T / 100Base-TX, FJ-45 cord / L264: 1,280 × 600 / 800 × 600 / VGA (Ad MPEG-4: VGA (640 × 440) / QVGA JPEG (MJPEG): 1,280 × 780 / 630 / 32 JPEG (MJPEG): 1,280 × 780 / 630 / 32 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 32 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 32 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 700 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 / 0.5 s / 1 s / UNICAST	adjustment: Low / Middle / High, djustment: Low / Middle / High, the SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the roro logs al 64 bit/32 bit, so SP1 32 bit, so SP1 3
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2	y Data Download Menu Language g OOS Browser Aspect ratio: [4 : 3] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval TransmissionType	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG) e Microsoft® Windows® XP profession Microsoft® Unindows® XP profession Microsoft® Unindows® XP profession Microsoft® Unindows® XP profession Microsoft® Unindows® XP profession Microsoft® Linternet Explore® 6.0 (Microsof Windows® Internet Explore® 6.0 (Microsof Windows® Internet Explore® 6.0 (Microsof Windows® Internet Explore® 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 cor H.264: 1,280 × 960 / 800 × 600 / VGA (44 MPEG-4: V026 (404 × 480) / QVGA JPEG (MJPEG): 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 640 Constant bitrate / Framerate priorit 1/3 / 5 / 7.5 / 10 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 766 / 1, 4,096 / 8,192 kbps / Unilmited * h LOW / NORMAL / FINE D.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / UNICAST / MULTICAST   0 steps	adjustment: Low / Middle / High, djustment: Low / Middle / High, the SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the roro logs al 64 bit/32 bit, so SP1 32 bit, so SP1 3
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2	y Data Download Menu Language g OS Browser Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume a Audio Output: ON / OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) et Microsoft® Windows® 7P profession Microsoft® Windows® XP Profession The language of the OS must be as Windows® Internet Explore® 7.0 (Microso Windows® Internet Explore® 7.0 (Microso Windows® Internet Explore® 7.0 (Microso Windows® Internet Explore® 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 cor H.264: 1.280 × 960 / 800 × 600 / VGA (40 MPEG-4: VGA (640 × 480) / VQGA JPEG (MJPEG): 1.280 × 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 / 8,192* kbps / Unlimited * H LOW / NORMAL / FINE OL s / 0.25 s / 0.33 s / 0.5 s / 1 s / UNICAST / MULTICAST 10 steps PULL / PUSH	adjustment: Low / Middle / High, djustment: Low / Middle / High, the SDHC/SD memory card can English, French, Italian, Spanish, 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 mme as selected GUI language. #Windows <sup>®</sup> P. Professional 64 bit/32 bit ft <sup>®</sup> Windows <sup>®</sup> P. Professional SP3 neetor 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 × 360 / 320 × 180, up to 30 fps y/ Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp 22 × / 35 / 2, 048 / 3,072 / 1.264 mode only
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Com	g OS Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Image Quality Transmission Type Image Quality Transmissi	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) eu Microsoft® Windows® XP Profession Microsoft® Windows® XP Moresoft® Windows® Internet Explorer® 8.0 (Microsoft Windows® Internet Explorer® 8.0 (Microsoft Windows® Internet Explorer® 4.0 (Microsoft Windows® 1.0 (Microsoft Windows 4.0 (Microsoft Wicrosoft 4.0 (Microsoft Windows 4.0 (Microsoft Wicrosoft 4.0 (Microsoft Wicrosoft 4.0 (Microsoft Wicrosoft 4.0 (Microsoft Wicrosoft 4.0 (Microsoft Wicrosoft 4.0 (Microsoft Wicrosoft 4.0 (Microsoft	adjustment: Low / Middle / High, djustment: Low / Middle / High, he SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the mor logs al 64 bit/32 bit, ss SP1 32 bit, ss SP1 32 bit, ss SP1 32 bit, anal SP3 ime as selected GUI language. H <sup>®</sup> Windows <sup>®</sup> 7 Professional 64 bit/32 bit ravsoft <sup>®</sup> Windows <sup>®</sup> XP Professional SP3 netctor 0 × 480/ / QVGA (320 × 240), up to 30 fp × 360 / VGA (640 × 480) / 20 × 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 × 360 / 200 × 180, up to 30 fps / Best effort 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
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2	g OS Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Image Quality Transmission Type Image Quality Transmissi	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume a Audio Output: ON / OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) et Microsoft® Windows® 7P profession Microsoft® Windows® XP Profession The language of the OS must be as Windows® Internet Explore® 7.0 (Microso Windows® Internet Explore® 7.0 (Microso Windows® Internet Explore® 7.0 (Microso Windows® Internet Explore® 6.0 SP3 (Mi 10Base-T / 100Base-TX, RJ-45 cor H.264: 1.280 × 960 / 800 × 600 / VGA (40 × 480) / QVGA JPEG (MJPEG): 1.280 × 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 / 8,192* kbps / Unlimited * H LOW / NORMAL / FINE OLS / 0.25 / 0.33 s / 0.5 s / 1 s / UNICAST / MULTICAST 10 steps PULL / PUSH	adjustment: Low / Middle / High, djustment: Low / Middle / High, he SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the mor logs al 64 bit/32 bit, ss SP1 32 bit, ss SP1 32 bit, ss SP1 32 bit, anal SP3 ime as selected GUI language. H <sup>®</sup> Windows <sup>®</sup> 7 Professional 64 bit/32 bit ft <sup>®</sup> Windows <sup>®</sup> 7 Professional 64 bit/32 bit ft <sup>®</sup> Windows <sup>®</sup> 7 Professional 64 bit/32 bit rosoft <sup>®</sup> Windows <sup>®</sup> XP Professional SP3 netctor 0 × 480/ / QVGA (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 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 × 360 / 200 × 180, up to 30 fps / Best effort 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
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Com	g OS Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Image Quality Transmission Type Image Quality Transmissi	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) eu Microsoft® Windows® XP Profession Microsoft® Windows® XP Moresoft Windows® Internet Explorer® 8.0 (Microsoft Windows® Internet Explorer® 8.0 (Microsoft Windows® Internet Explorer® 4.0 (Microsoft Windows® 1.0 (Microsoft Windows® 1.0 (Microsoft Windows 4.0 (Microsoft Wicrosoft 4.0 (Microsoft	adjustment: Low / Middle / High, djustment: Low / Middle / High, he SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the mor logs al 64 bit/32 bit, ss SP1 32 bit, ss SP1 32 bit, ss SP1 32 bit, anal SP3 ime as selected GUI language. H <sup>®</sup> Windows <sup>®</sup> 7 Professional 64 bit/32 bit ft <sup>®</sup> Windows <sup>®</sup> 7 Professional 64 bit/32 bit ft <sup>®</sup> Windows <sup>®</sup> 7 Professional 64 bit/32 bit rosoft <sup>®</sup> Windows <sup>®</sup> XP Professional SP3 netctor 0 × 480/ / QVGA (320 × 240), up to 30 fps × 600 / VGA (640 × 480) / 20 × 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 × 360 / 200 × 180, up to 30 fps / Best effort 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
Network	One Shot ( Audio SD Memory 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: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type Transmission Type	A still picture will be displayed on a Mic (Line) Input: ON/OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) ei Microsoft® Windows® / Profession Microsoft® Windows® XP Profession Microsoft® Windows® AP Profession Microsoft® Windows® AP Profession Windows® Internet Explorer® 5.0 Wincows Windows® Internet Explorer® 5.0 Wincows Microsoft® Internet Explorer® 5.0 Wincows Microsoft® Unternet Explorer® 5.0 SP3 (Mi 10Base-T / 10DBase-TX, RJ-45 cou VCA (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): 1,280 × 720 / 36 fps 64 / 128 / 256 / 384 / 512 / 768 J / 10 / 32 K / 32 K / 32 K / 33 K / 512 / 76 J / 15 / UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, OFF / Mic (Line) Jput / Audio output Interactive (Full duplex)	adjustment: Low / Middle / High, djustment: Low / Middle / High, djustment: Low / Middle / High he SDHC/SD memory card can English, French, Italian, Spanish, 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 me as selected GUI language. H <sup>®</sup> Windows <sup>®</sup> 7 Professional 64 bit/32 bit ft <sup>®</sup> Windows <sup>®</sup> XP Professional SP3 nnector 0 x 480) / QVGA (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 x 600 / VGA 0 x 180, up to 30 fps y / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp 0 22 / 1, 536 / 2, 0,484 / 3, 072 / L264 mode only 2 s / 3 s / 4 s / 5 s G.711 64 kbps ut / Interactive (Half duplex) /
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con Audio Moc Authentica	y Data Download Menu Language g OS Browser Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Transmission Type Image Quality Transmission Type Image Quality Transmission Jpe Image Quality Transmission Jpe Image Quality Transmission Jpe Image Quality Transmission Jpe Image Quality Transmission Jpe	A still picture will be displayed on a Mic (Line) Input: ON/OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) eu Microsoft® Windows® Ty Profession Microsoft® Windows® XP Profession Microsoft® Windows® AP Profession Microsoft® Windows® AP Profession Microsoft® Windows® Not State se Windows® Internet Explorer® 8.0 (Microsoft Windows® Internet Explorer® 6.0 SP3 (Mi 108ase-T / 1008ase-TX, FJ-45 cot Microsoft® Internet Explorer® 4.0 (Microsoft Windows® Internet Explorer® 4.0 (Microsoft Windows 8 Internet Explorer® 4.0 (Microsoft Windows 8 Internet Explorer® 4.0 (Microsoft Windows 7.0 (Fd 44 480) / OVGA JPEG (MJPEG): 1,280 × 960 / 800 / QVGA (320 × 240), up to 30 fps H.264 : 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 30 fps G4 / 128 / 256 / 333 × / 0.5 \$ / 1 \$ 7 \$ / 10 / 15 / 20 / 30 fps G4 / 128 / 256 / 333 × / 0.5 \$ / 1 \$ 5 / 1 \$ / 10 / 15 / 20 / 30 fps G4 / 128 / 256 / 333 × / 0.5 \$ / 1 \$ 5 / 1 \$ / 10 / 15 / 20 / 30 fps G4 / 128 / 256 / 333 × / 0.5 \$ / 1 \$ 5 / 1 \$ / 10 / 10 / 10 / 10 / 10 / 10 / 1	adjustment: Low / Middle / High, djustment: Low / Middle / High, the SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the mor logs al 64 bit/32 bit, ss SP1 32 bit, snal SP3 mme as selected GUI language. H <sup>®</sup> Windows <sup>®</sup> 7 Professional 64 bit/32 bit ft <sup>®</sup> Windows <sup>®</sup> 7 Professional 64 bit/32 bit ft <sup>®</sup> Windows <sup>®</sup> 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 × 360 / 320 × 180, up to 30 fp 024 / 1,536 / 2,048 / 3,072 / 1.264 mode only 2 s / 3 s / 4 s / 5 s c. 6.711 64 kbps ut / Interactive (Half duplex) / sers
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con Audio Moc Authentica	Capture y Data Download Menu Language g GOS Browser Aspect ratio: [4 : 3] Transmission Mode Bit Rate/Client Image Quality Transmission Type apression Je Image Cuality Transmission Type Transmission Type Type Type Type Type Type Type Type Type	A still picture will be displayed on a Mic (Line) Input: ON / OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG) en Microsoft® Windows® XP profession Microsoft® Windows® XP profession Microsoft® Windows® XP profession Microsoft® Windows® XP profession Microsoft® Internet Explore® 8.0 (Microsoft® Windows® Internet Explore® 7.0 (Microso Windows® Internet Explore® 8.0 (Microsoft Windows® Internet Explore® 8.0 (Microsoft Windows® Internet Explore® 8.0 (Microsoft Windows® Internet Explore® 8.0 (Microsoft Windows® Internet Explore® 7.0 (Microsoft Windows® Internet Explore® 7.0 (Microsoft Windows ? 100Base-T / 100F H.264: 1,280 × 960 / 800 × 600 / VGA (44 H.264: 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 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 / 8,192 / Nbg / Unlimited * I LOW / NORMAL / FINE D.2 s / 0.25 s / 0.33 s / 0.5 s / 1 s / UNICAST / MULTICAST 10 steps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, 0FF / Mic (Line) input / Audio outpi Interactive (Full duplex) Level 1 only / Level 2 higher / All us 64 / 128 / 256 / 344 / 512 / 768 / 1,024 /	adjustment: Low / Middle / High, djustment: Low / Middle / High, the SDHC/SD memory card can English, French, Italian, Spanish, German, Russian (Installation required except for English) DHC/SD memory when the ror logs al 64 bit/32 bit, so SP1 32
Network	One Shot ( Audio SD Memory GUI/Setup System Lo Supported Supported Network IF Image Resolution *2 *3 H.264/ MPEG-4 *2 JPEG (MJPEG) Audio Con Audio Moc Authentica	Capture y Data Download Menu Language g GOS Browser Aspect ratio: [4 : 3] Transmission Mode Bit Rate/Client Image Quality Transmission Type apression Je Image Cuality Transmission Type Transmission Type Type Type Type Type Type Type Type Type	A still picture will be displayed on a Mic (Line) Input: ON/OFF Volume a Still or motion images recorded in the be downloaded. English, French (Installation required for French) Up to 100 (Internal), Up to 4,000 (S recording format is set to JPEG.) eu Microsoft® Windows® Ty Profession Microsoft® Windows® XP Profession Microsoft® Windows® AP Profession Microsoft® Windows® AP Profession Microsoft® Windows® Not State se Windows® Internet Explorer® 8.0 (Microsoft Windows® Internet Explorer® 6.0 SP3 (Mi 108ase-T / 1008ase-TX, FJ-45 cot Microsoft® Internet Explorer® 4.0 (Microsoft Windows® Internet Explorer® 4.0 (Microsoft Windows 8 Internet Explorer® 4.0 (Microsoft Windows 8 Internet Explorer® 4.0 (Microsoft Windows 7.0 (Fd 44 480) / OVGA JPEG (MJPEG): 1,280 × 960 / 800 / QVGA (320 × 240), up to 30 fps H.264 : 1,280 × 720 / 640 × 360 / 33 JPEG (MJPEG): 1,280 × 720 / 30 fps G4 / 128 / 256 / 333 × / 0.5 \$ / 1 \$ 7 \$ / 10 / 15 / 20 / 30 fps G4 / 128 / 256 / 333 × / 0.5 \$ / 1 \$ 5 / 1 \$ / 10 / 15 / 20 / 30 fps G4 / 128 / 256 / 333 × / 0.5 \$ / 1 \$ 5 / 1 \$ / 10 / 15 / 20 / 30 fps G4 / 128 / 256 / 333 × / 0.5 \$ / 1 \$ 5 / 1 \$ / 10 / 10 / 10 / 10 / 10 / 10 / 1	adjustment: Low / Middle / High, djustment: Low / Middle / High, the SDHC/SD memory card can English, French, Italian, Spanish, 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 me as selected GUI language. tf <sup>8</sup> Windows <sup>®</sup> 7 Professional 64 bit/32 bit ft <sup>8</sup> Windows <sup>®</sup> XP Professional SP3 nnector 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 × 360 / 320 × 180, up to 30 fps y / Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps 2 s / 3 s / 4 s / 5 s . G.711 64 kbps ut / Interactive (Half duplex) / . 20, 8 / 0.96 / 8,192 kbps / Unlimited / 20, 406 / 8,192 kbps / Unlimited / 20, 406 / 8,192 kbps / Unlimited

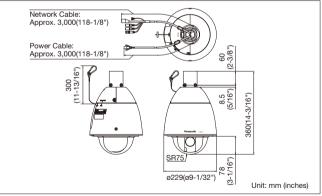
TV System		NTSC	PAL	
Network	FTP Client	Alarm image transfer, Periodic image transfer (When the FTP periodic transmission		
		is failed, backup on an optional SDHC/SD memory card is available.)		
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)		
	SDHC/SD Memory Card	H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC		
	(Option)	JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure		
		Compatible SD (SDHC) card: Panasonic 256 MB, 512 MB, 1 GB,		
		2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB* model * SDHC card		
	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	Alarm Source	3x Terminal inputs, VMD, Command alarm		
	Alarm Actions	SD memory recording, E-mail notification, Indication on browser, Camera positioning, Prese		
		position 1 ~ 64, FTP image transfer, Terminal output, Panasonic protocol output, Auto track		
	Alarm Log	With SD memory card: 5,000 logs, Without SD memory card: 1,000 log		
	Schedule	Alarm/VMD/Access permission, Preset position call, Position refresh, H.264 recordin		
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 power type),		
		Supply voltage: 2.5 V ±0.5 V, Input	impedance: approx. 2 kΩ	
	Audio Output	ø3.5 mm stereo mini jack (monaural output) Line level		
	External I/O Terminals	ALARM IN 1 / DAY/NIGHT IN, ALARM IN 2 / ALARM OUT,		
		ALARM IN 3 / AUX OUT (x1 each)		
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA),	CE (EN60065, EN55022 ClassB,	
		C-UL (CAN/CSA C22.2 No.60065),	EN55024), GOST (GOST R 51558	
		DOC (ICES003 ClassA)		
	Power Source/	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	ø239 mm x 360.5 mm (H) (ø9-7/16" x 14-3/16" (H)), Diameter of the dome: 160 mm (6-5/16"		
	Mass (approx.)	4.6 kg (10.14 lbs.)		

14.05 gg (10.14 loss)
15.05 July (10.14 loss)
15.05 July (10.14 loss)
16.05 July (10.14 l

#### 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 cannot be responsible for the performance of the network and/or other manufacturers' products used on the network

• All TV pictures are simulated. • Masses and dimensions are approximate. • Specifications are subject to change without notice. • These products may be subject to export control regulations. • All product pictures are NTSC models.

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