

# **HD Dome Network Camera** WV-SC384



## 18x optical zoom with 8x digital zoom enabling 144x zoom. 36x Extra Optical Zoom under VGA resolution with 8x digital zoom enabling 288x zoom.

#### **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
- Face detection function detects the position of human face and the information is sent by XML or video stream.
- Meta data for VMD is supplied to work with the WJ-ND400 playback VMD function.
- Privacy Zone can mask up to 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

Standard Accessories	lanuaru Accessories				
CD-ROM*1	Decorative Cover				
Camera Mount Bracket (w/safety wire)     1 pc.     Camera Fixing Screw     2 pcs. (incl. 1 spare)	*1 The CD-ROM contains the operating instructions (PDFs) and different kinds of tool software programs. *2 This label may be required for network management. The network administrator shall retain the code label.				

#### **Optional Accessories**



<sup>\*</sup> Not compatible with optional accessories of conventional cameras

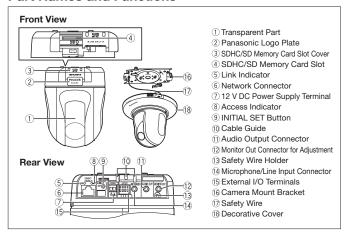
#### **Specifications**

Camera			NTSC	PAL
- uord	Image Sen		1/3 type MOS Sensor	
	Effective P		Approx. 1.3 megapixel	
	Scanning Mode		Progressive scan	
	Scanning A		4.8 mm (H) x 3.6 mm (V) (3/16" (H)	
	Minimum II	lumination	Color: 0.6 lx (F1.6, Auto slow shutter: Off (1/30 s), AGC: High, WDR Off)	
			0.038 lx (F1.6, Auto slow shutter: n	
			BW: 0.5 ix (F1.6, Auto slow shutter: Off (1/30 s), AGC: High) 0.031 ix (F1.6, Auto slow shutter: max. 16/30 s, AGC: High) ATW1 / ATW2 / AWC Indoor scene (50 Hz / 60 Hz) / Outdoor scene / Fix shutter 1/30, 3/100, 3/120, 2/100, 2/120, 1/100, 1/120, 1/250, 1/500,	
	White Balance Light Control Mode Shutter Speed			
			1/1,000, 1/2,000, 1/4,000, 1/10,000 ON / OFF	
	Wide Dyna	mic Range		
		Dynamic Range		
	Adaptive Black Stretch AGC Auto Slow Shutter Simple Black and White Mode		ON (LOW, MID, HIGH ) / OFF  OFF (1/30 s), max. 2/30 s, max. 4/30 s, max. 6/30 s, max. 10/30 s, max. 16/30 s  OFF / AUTO	
Digital Noise Reduction Video Motion Detection			High / Low	
			ON / OFF, 4 areas available	
	Privacy Zo		ON / OFF (up to 2 zones available)	
	Up Side Do	own	Ceiling mount only	
	Image Stabilizer Camera Title (OSD)		ON / OFF ON / OFF	
Lens	Focal Leng		4.7 mm ~ 84.6 mm	
	Zoom Ratio		18x / 36x with extra optical zoom (at VGA resolution)	
			8x (Max. 288x combined with extra optical zoom under VGA)	
	Digital (Electronic) Zoom 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) ~ 2.8 (Tele)	
	Aperture Range		1.5 m ~ ∞	
D			F1.6 ~ 22, Close	
Pan and Tilt	Panning Ra		0° ~ 350°	
	Panning Speed		Manual: approx. 0.5°/s ~ 100°/s, Preset: up to approx. 300°/s	
	Tilting Ran	ge	-30° ~ 90° (upward-level-downward)	
	3 3		Tilting angle limit: 10° / 5° / 3° / 0° / -3° / -5° / -10° / -15° / -20° / -25° / -30°	
	Tilting Speed		Manual: approx.0.5°/s ~ 100°/s, Preset: up to approx. 100°/s	
	Proportional Pan/Tilt Control		Yes	
	Number of Preset Positions		64	
	Auto Mode		Auto pan / Preset sequence / 360	map-shot / Preset map-shot
	Image Hold		ON / OFF	
	PTZ Positio		ON / OFF	
			10 s / 20 s / 30 s / 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 30 min / 60 min	
	Self Return		ON / OFF	
	Pan/tilt flip *1			
	Map Shot		360 map shot / preset map shot	
Browser GUI	Camera Co	ontrol	Pan/Tilt (16 steps), Zoom, Focus, Click centering, Drag zoom, Iris,	
	Display Mode		Preset position call and program, A	
			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 characters (alphanumeric characters, marks), Character size: Small	
	Clock Display		Time: 12H / 24H, Date: 5 formats on the browser, Summer time (Manual/AUTO)	
	Alarm Control		Reset	
	One Shot Capture		A still picture will be displayed on a	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	
	SD Memory Data Download GUI/Setup Menu Language System Log		English, French	English, French, Italian, Spanish,
			(Installation required for French)	
			(iristaliation required for French)	German, Russian (Installation
			11 1 100 (1 1 1 1 1 1 1 1 000 (0	required except for English)
			Up to 100 (Internal), Up to 4,000 (S	
			recording format is set to JPEG.) e	
	Supported		Microsoft® Windows® 7 Profession	nal 64 bit/32 bit,
	Supported		Microsoft® Windows® 7 Professio Microsoft® Windows Vista® Busin	nal 64 bit/32 bit, ess SP1 32 bit,
	Supported		Microsoft® Windows® 7 Profession	nal 64 bit/32 bit, ess SP1 32 bit,
	Supported		Microsoft® Windows® 7 Professio Microsoft® Windows Vista® Busin	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3
	Supported	OS	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busin Microsoft® Windows® XP Profess	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language.
		OS	Microsoft® Windows® 7 Professio Microsoft® Windows Vista® Busin Microsoft® Windows® XP Profess The language of the OS must be si Windows® Internet Explorer® 8.0 (32 bit) (Micr	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. osoft® Windows® 7 Professional 64 bit/32 bit
		OS	Microsoft® Windows® 7 Professio Microsoft® Windows Vista® Busin Microsoft® Windows® XP Profess The language of the OS must be sa	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. osoft® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit),
Network	Supported	OS Browser	Microsoft® Windows® 7 Professio Microsoft® Windows Vista® Busin Microsoft® Windows® XP Profess The language of the OS must be s: Windows® Internet Explorer® 5.0 (32 bit) (Microsoft® Microsoft® Internet Explorer® 6.0 SPS) Microsoft® Microsoft® Internet Explorer® 6.0 SPS (Microsoft®	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. cosoft® Windows® 7 Professional 64 bit/32 bit Windows Vista® Business SP1 32 bit), oft® Windows XP Professional SP3)
Network	Supported  Network IF	OS Browser	Microsoft® Windows® 7 Professio Microsoft® Windows Vista® Busin Microsoft® Windows® XP Profess The language of the OS must be si Windows® Internet Explore® 8.0 (32 bif) (Microsoft® Windows® Internet Explore® 7.0 (Microsoft® Microsoft® Internet Explore® 6.0 SP3 (Microsoft® 10Base-T / 100Base-TX, RJ-45 co	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. osoft@Windows@7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), ort@Windows@XP Professional SP3) nnector
Network	Supported  Network IF Image	OS  Browser  Aspect ratio:	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Buscost® Windows Vista® Buscost® Windows® XP Profess The language of the OS must be significant windows Internet Explore® 8.0 (25 bit) Microsoft® Internet Explore	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. osotl® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® XP Professional SP3) nnector 10) / QWGA (320 x 240), up to 30 fp:
Network	Supported  Network IF Image Resolution	OS  Browser  Aspect ratio:	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busin Microsoft® Windows® XP Profess The language of the OS must be si Windows® Internet Explore® 3.0 (32 bit) (Microsoft® Microsoft® Internet Explore® 0.0 SP3 (Micros Microsoft® Internet Explore® 0.0 SP3 (Micros 10Basse-T / 100Basse-TX, RJ-45 co H.264: 1,280 x 960 / VGA (640 x 48 MPEG-4: VGA (640 x 480) / QVGA	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sosti® Windows® 7 Professional 64 bit/32 bit Windows Vista® Business SP1 32 bit), oft® Windows XP Professional SP3) nnector 10 / QVGA (320 x 240), up to 30 fps (320 x 240), up to 30 fps
Network	Supported  Network IF Image	OS  Browser  Aspect ratio: [4:3]	Microsoft® Windows® 7 Professio Microsoft® Windows Vista® Busin Microsoft® Windows® XP Profess The language of the OS must be si Windows® Internet Explore® 8.0 (32 bit) (Microsoft® Microsoft® Internet Explore® 6.0 SPS (Microsoft® 10Base-T / 100Base-TX, RJ-45 co H.264: 1,280 x 960 / VGA (640 x 480) / QVGA JPEG (MJPEG): 1,280 x 960 / 640	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. osoft® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), Windows Vista® Business SP1 32 bit), oriot® Windows® XP Professional SP3) nnector 10) / QWGA (320 x 240), up to 30 fps x 480 / 320 x 240), up to 30 fps
Network	Supported  Network IF Image Resolution	OS  Browser  Aspect ratio: [4:3]  Aspect ratio:	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Bussel Microsoft® Windows® XP Profess The language of the OS must be significant with the Windows® Internet Explore® 8.0 (25 bit) Microsoft® Microsoft® Internet Explore® 7.0 Microsoft® Microsoft® Internet Explore® 6.0 SPS Microsoft® Internet Explore® 6.0 SPS Microsoft® Internet Explore® 6.0 SPS Microsoft® Index 17.0 Microsoft® Microsoft® Internet Explore® 6.0 SPS Microsoft® 6	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® XP Professional SP3) nnector 10) / QVGA (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps 20 x 180, up to 30 fps
Network	Supported  Network IF Image Resolution *2 *3	OS  Browser  Aspect ratio: [4:3]  Aspect ratio: [16:9]	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busin Microsoft® Windows® XP Profess The language of the OS must be significant with the language of the OS must be significant windows® Intent Explore® 0.8 25 bill Microsoft® Microso	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sosti® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows 8x P Professional SP3) nnector 10/ CVGA (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 680 / 320 x 180, up to 30 fps x 680 / 320 x 180, up to 30 fps
Network	Supported  Network IF Image Resolution *2 *3  H.264/	OS  Browser  Aspect ratio: [4 : 3]  Aspect ratio: [16 : 9]  Transmission Mode	Microsoft® Windows® 7 Professis Microsoft® Windows® 7 Professis Microsoft® Windows® XP Profess Microsoft® Windows® XP Profess The language of the OS must be significant of the Mindows® Internet Explore® 8.0 (32 bit) (Microsoft® Internet Explore® 7.0 Microsoft® Microsoft® Internet Explore® 6.0 SPS Microsoft® 6	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vsta® Business SP1 32 bit), off® Windows® NP Professional SP3) 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 360 / 320 x 180, up to 30 fps y / Best effort
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transilision Mode Frame Rate	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Bussel Microsoft® Windows W P Profess The language of the OS must be significant of the Microsoft® Microsoft® Microsoft® Microsoft® Microsoft® Microsoft® Internet Explore® 7.0 Microsoft® Microsoft® Internet Explore® 6.0 SPS Microsoft® Internet Explore® 6.0 SPS Microsoft® Micro	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), off® Windows® XP Professional SP3) nnector 10) / CVC3A (320 x 240), up to 30 fps (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  1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps
Network	Supported  Network IF Image Resolution *2 *3  H.264/	OS  Browser  Aspect ratio: [4 : 3]  Aspect ratio: [16 : 9]  Transmission Mode	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busin Microsoft® Windows® XP Profess The language of the OS must be significant with the language of the OS must be significant windows® Internet Explore® 3.0 g2 bit) (Microsoft® Microsoft® Micr	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sosti® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit, iont® Windows Windows Vista® Business SP1 32 bit, oft® Windows XP Professional SP3) nnector 10) / OWGA (320 x 240), up to 30 fps (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps z x 380 / 320 x 240, 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 fp .024 / 1,536 / 2,048 / 3,072 /
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	OS  Browser  Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Bush Microsoft® Windows® XP Profess The language of the OS must be significant windows® Interest Explore® 8.0 (32 bit) (Microsoft® Microsoft® Interest Explore® 7.0 Microsoft® Microsoft® Interest Explore® 6.0 SPS Microsoft® Interest Explore 8.0 SPS Microsoft® Interest Explore 8.0 SPS Microsoft® Interest Explore 9.0 SPS Microsoft® Interest Explore 9.0 SPS Microsoft® 1.0 SPS Micr	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sosti® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit, iont® Windows Windows Vista® Business SP1 32 bit, oft® Windows XP Professional SP3) nnector 10) / OWGA (320 x 240), up to 30 fps (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps z x 380 / 320 x 240, 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 fp .024 / 1,536 / 2,048 / 3,072 /
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Aspect ratio: Transmission Mode Framme Rate Bit Rate/Client Image Quality	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Bussoft® Windows Vista® Microsoft® Windows® XP Profess The language of the OS must be significant of the New Year Profess The language of the OS must be significant of the New Year Profess The language of the OS must be significant of the New Year Profess The New Year Profession Windows® Internet Explorer® 6.0 SPS Microsoft® Microsoft® 1.0 SPS M	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® XP Professional SP3) nnnector 10) / OVGA (320 x 240), up to 30 fps (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 1/73/57/57/10/12/15/20/30 fp ,024 / 1,536 / 2,048 / 3,072 /
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	OS  Browser  Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busin Microsoft® Windows® XP Profess The language of the OS must be significant with the language of the OS must be significant windows® Internet Explore® 3.0 g2 bit) (Microsoft® Microsoft® Micr	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® XP Professional SP3) nnnector 10) / OVGA (320 x 240), up to 30 fps (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 1/73/57/57/10/12/15/20/30 fp ,024 / 1,536 / 2,048 / 3,072 /
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	OS  Browser  Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Bussoft® Windows Vista® Microsoft® Windows® XP Profess The language of the OS must be significant of the New Year Profess The language of the OS must be significant of the New Year Profess The language of the OS must be significant of the New Year Profess The New Year Profession Windows® Internet Explorer® 6.0 SPS Microsoft® Microsoft® 1.0 SPS M	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® XP Professional SP3) nnnector 10) / OVGA (320 x 240), up to 30 fps (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 1/73/57/57/10/12/15/20/30 fp ,024 / 1,536 / 2,048 / 3,072 /
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	OS  Browser  Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Busin Microsoft® Windows® XP Profess The language of the OS must be significant with the language of the OS must be significant windows® Internet Explore® 3.0 g2 bit) (Microsoft® Microsoft® Micr	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® VP Professional SP3) nnector 100/ QVGA (320 x 240), up to 30 fps (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 // Dest effort 1/3/5/7.5/10/12/15/20/30 fp 1/3/5/7.5/10/12/15/20/30 fp 264 mode Only
Network	Network IF Image Resolution *2 *3 H.264/ MPEG-4	OS  Browser  Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Buscost® Windows® XP Profess Microsoft® Windows® XP Profess The language of the OS must be significant with the Windows® Internet Explore® 8.0 (32 bit) Microsoft® Microsoft® Internet Explore® 0.0 SPS Microsoft® Internet Explore® 0.0 SPS Microsoft® Internet Explore® 0.0 SPS Microsoft® Microsoft® 0.0 SPS Microsoft	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® VP Professional SP3) nnector 100/ QVGA (320 x 240), up to 30 fps (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 // Dest effort 1/3/5/7.5/10/12/15/20/30 fp 1/3/5/7.5/10/12/15/20/30 fp 264 mode Only
Network	Supported  Network IF Image Resolution *2 *3  H.264/ MPEG-4 *2	OS  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	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Bussoft® Windows Vista® Microsoft® Windows XP Profess The language of the OS must be significant of the State of th	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sosti® Windows® 7 Professional 64 bit/32 bit, Windows VIA Business SP1 32 bit, oft® Windows VIA Business SP1 32 bit, oft® Windows WIA Professional SP3) nnector (320 x 240), up to 30 fps (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps z 360 / 320 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 fp .024 / 1,536 / 2,048 / 3,072 / .264 mode Only 2 s / 3 s / 4 s / 5 s
Network	Supported  Network IF Image Resolution *2 *3  H.264/ MPEG-4 *2  JPEG (MJPEG)	OS  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	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Buscost® Windows Vista® Microsoft® Windows® XP Profess The language of the OS must be significant with the Windows® Internet Explore® 8.0 (25 bit) Microsoft® Microsoft® Internet Explore® 7.0 (Microsoft® Microsoft® Internet Explore® 6.0 SPS (Microsoft® Internet Explore® 6.0 SPS (Microsoft® Internet Explore® 6.0 SPS (Microsoft® Microsoft® 1.28 M × 960 / 640 H × 460 M	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® VP Professional SP3) nnector 10) / 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 240, up to 30 fps y / Best effort 1/3/5/7.5/10/12/15/20/30 fp 0.24 / 1,536 / 2,048 / 3,072 / 2.64 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
Network	Supported  Network IF Image Resolution *2 *3  H.264/ MPEG-4 *2  JPEG (MJPEG) Transmissi	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 on Interval	Microsoft® Windows® 7 Profession Microsoft® Windows® XP Profess Microsoft® Windows® XP Profess The language of the OS must be significant of the Microsoft® Windows® Internet Explore® 8.0 (82 bit) SM Windows® Internet Explore® 7.0 Microsoft® Microsoft® Internet Explore® 7.0 Microsoft® Microsoft® Internet Explore® 6.0 SPS Microsoft® Internet Explore® 6.0 SPS Microsoft® Microsoft® 6.0 August 1.0 Augus	inal 64 bit/32 bit, eass SP1 32 bit, ional SP3 ame as selected GUI language. sosoft® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® XP Professional SP3) nnnector 10) / OVGA (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 y 360 / 320 x 240, up to 30 fps (320 x 240, up to 30 fps (320 x 240, up to 30 fps (320 x 180, up to 30 fps
Network	Supported  Network IF Image Resolution *2 *3  H.264/ MPEG-4 *2  JPEG (MJPEG) Transmissi Audio Com	OS  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 Interval	Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession Microsoft® Windows® XP Profession Microsoft® Windows® XP Profession The language of the OS must be significant to the Common Microsoft® Microsoft® 1,000 Microsoft® Microsoft® Internet Explore® 8.0 (32 bit) (Microsoft® Internet Explore® 6.0 SPS Microsoft® Internet Explore® 6.0 SPS Microsoft® Internet Explore® 6.0 SPS Microsoft® Microsoft® Internet Explore® 6.0 SPS Microsoft® 6.0 SPS Micr	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sostf® Windows® 7 Professional 64 bit/32 bit, Windows Vsta® Business SP1 32 bit), oft® Windows® NP Professional SP3) nnector 100 / OVGA (320 x 240), up to 30 fps x 480 / 320 x 240), up to 30 fps x 2400, up to 30 fps x 360 / 320 x 180, up to 30 fps y / Best effort 11/3/57.75/10/12/15/20/30 fp 12/24/1,536 / 2,048 / 3,072 / 264 mode Only  2 s / 3 s / 4 s / 5 s  DRMAL / 6 / 7 / 8 / 9 LOW (10 steps: 0-5 will be restricted when displaying ages.) y G.711 64 kbps
Network	Supported  Network IF Image Resolution *2 *3  H.264/ MPEG-4 *2  JPEG (M.JPEG) Transmissi Audio Com	OS  Browser  Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Client Image Quality Image Quality Transmission Type on Interval	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Bush Microsoft® Windows Vista® Microsoft® Windows® XP Profess The language of the OS must be significant with the Windows® Internet Explore® 8.0 (25 bit) Microsoft® Microsoft® Internet Explore® 7.0 (Microsoft® Microsoft® Internet Explore® 6.0 SPS (Microsoft® Internet Explore® 6.0 SPS (Microsoft® Internet Explore® 6.0 SPS (Microsoft® Microsoft® 6.0 SPS (Microsoft® 6.0 SPS (Micro	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® VP Professional SP3) meetor 10) / QVGA (320 x 240), up to 30 fps (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps 20 x 180, up to 30 fps y 360 / 320 x 180, up to 30 fps y / Best effort 1/3/5/7.5/10/12/15/20/30 fp 1/3/5/7.5/10/12/15/20/30 fp 28 / 38 x / 4 x / 5 s  DRMAL / 6 / 7 / 8 / 9 LOW (10 steps: 0-5 will be restricted when displaying ages.) y (G.711 64 kbps active (Half duplex) / Interactive (Full duple)
Network	Supported  Network IF Image Resolution '2 '3  H.264/ MPEG-4 '2  JPEG (MJPEG) Transmissi  Audio Com Audio Mod Authentica	OS  Browser  Aspect ratio: [4 : 3] Aspect ratio: [16 : 9] Transmission Mode Frame Rate Bit Rate/Cilent Image Quality Refresh Interval Transmission Type on Interval pression lee tion for Audio	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Bush Microsoft® Windows Vista® Microsoft® Windows® XP Profess The language of the OS must be is Windows® Internet Explore® 8.0 (82 bit 9). Windows® Internet Explore® 7.0 Microsoft® Microsoft® Internet Explore® 6.0 SPS Microsoft® Internet Explore® 6.0 SPS Microsoft® Internet Explore® 6.0 SPS Microsoft® Microsoft® Microsoft® 6.0 SPS Microsoft® Microsoft® 6.0 SPS Microso	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sosoft® Windows® 7 Professional 64 bit/32 bit, windows Vista® Business SP1 32 bit), oft® Windows Vista® Business SP1 32 bit), oft® Windows® XP Professional SP3) nnector 10) / CVGA (320 x 240), up to 30 fps (320 x 240), up to 30 fps 20 x 180, up to 30 fps 21 x 360 / 320 x 240, up to 30 fps 22 x 180, up to 30 fps 23 x 36 / 320 x 180, up to 30 fps 24 x 36 / 320 x 180, up to 30 fps 25 x 36 / 320 x 180, up to 30 fps 27 x 36 / 320 x 180, up to 30 fps 28 x 360 / 320 x 180, up to 30 fps 29 / Best effort 17/3/5/7.5/10/12/15/20/30 fp 32 x 3 x 3 x 4 x / 5 s 32 x 3 x 4 x / 5 s 32 x 3 x / 4 x / 5 s 32 x 3 x / 4 x / 5 s 32 x 3 x / 4 x / 5 s 32 x 3 x / 4 x / 5 s 33 x / 4 x / 5 s 34 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x
Network	Supported  Network IF Image Resolution *2 *3   H.264/ MPEG-4 *2   JPEG (MJPEG) Transmissi  Audio Com Audio Mod Authentica Total Bit R.	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 Interval Impression Interval	Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession Microsoft® Windows® XP Profess Microsoft® Windows® XP Profess The language of the OS must be significant of the Microsoft® Microsoft® 1.0 Microsoft® 1.0 Microsoft® 1.0 Microsoft® Internet Explore® 8.0 (32 bit) (Microsoft® Internet Explore® 6.0 SPS Microsoft® Internet Explore® 6.0 SPS Microsoft® 1.0 Microsoft® Microsoft® Internet Explore® 6.0 SPS Microsoft® 1.0 Microsoft® 1	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vsta® Business SP1 32 bit), oft® Windows® NP Professional SP3) nnector 100 / QVGA (320 x 240), up to 30 fps (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 380 / 320 x 180, up to 30 fps x / Best effort 1 / 3 / 5 / 7 / 5 / 10 / 12 / 15 / 20 / 30 fp 1 / 3 / 5 / 7 / 5 / 10 / 12 / 15 / 20 / 30 fp 2 / 3 / 4 / 5 s  DRMAL / 6 / 7 / 8 / 9 LOW (10 steps: 0-5 will be restricted when displaying ages.) G / 3 / 1 6 4 kbps active (Half duplex) / Interactive (Full duplex) 2 / 2 / 3 / 4 / 4 / 96 / 8 / 192 kbps / Unlimitec 2 / 2 / 3 / 4 / 4 / 96 / 8 / 192 kbps / Unlimitec 2 / 2 / 3 / 4 / 4 / 96 / 8 / 192 kbps / Unlimitec
Network	Supported  Network IF Image Resolution '2 '3  H.264/ MPEG-4 '2  JPEG (MJPEG) Transmissi  Audio Com Audio Mod Authentica	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 Interval Impression Interval	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Bush Microsoft® Windows Vista® Microsoft® Windows® XP Profess The language of the OS must be is Windows® Internet Explore® 8.0 (82 bit 9). Windows® Internet Explore® 7.0 Microsoft® Microsoft® Internet Explore® 6.0 SPS Microsoft® Internet Explore® 6.0 SPS Microsoft® Internet Explore® 6.0 SPS Microsoft® Microsoft® Microsoft® 6.0 SPS Microsoft® Microsoft® 6.0 SPS Microso	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vsta® Business SP1 32 bit), oft® Windows® NP Professional SP3) nnector 100 / QVGA (320 x 240), up to 30 fps (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 380 / 320 x 180, up to 30 fps x / Best effort 1 / 3 / 5 / 7 / 5 / 10 / 12 / 15 / 20 / 30 fp 1 / 3 / 5 / 7 / 5 / 10 / 12 / 15 / 20 / 30 fp 2 / 3 / 4 / 5 s  DRMAL / 6 / 7 / 8 / 9 LOW (10 steps: 0-5 will be restricted when displaying ages.) G / 3 / 1 6 4 kbps active (Half duplex) / Interactive (Full duplex) 2 / 2 / 3 / 4 / 4 / 96 / 8 / 192 kbps / Unlimitec 2 / 2 / 3 / 4 / 4 / 96 / 8 / 192 kbps / Unlimitec 2 / 2 / 3 / 4 / 4 / 96 / 8 / 192 kbps / Unlimitec
Network	Supported  Network IF Image Resolution *2 *3   H.264/ MPEG-4 *2   JPEG (MJPEG) Transmissi  Audio Com Audio Mod Authentica Total Bit R.	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 Interval Impression Interval	Microsoft® Windows® 7 Profession Microsoft® Windows® 7 Profession Microsoft® Windows® XP Profess Microsoft® Windows® XP Profess The language of the OS must be significant of the Microsoft® Microsoft® 1.0 Microsoft® 1.0 Microsoft® 1.0 Microsoft® Internet Explore® 8.0 (32 bit) (Microsoft® Internet Explore® 6.0 SPS Microsoft® Internet Explore® 6.0 SPS Microsoft® 1.0 Microsoft® Microsoft® Internet Explore® 6.0 SPS Microsoft® 1.0 Microsoft® 1	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® VP Professional SP3) nnector 10) / QVGA (320 x 240), up to 30 fps (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps 20 x 180, up to 30 fps y 360 / 320 x 180, up to 30 fps y 360 / 320 x 180, up to 30 fps y 6 SP3 / 320 x 240 / 20 x 180 / 20
Network	Supported  Network IF Image Resolution *2 *3   H.264/ MPEG-4 *2   JPEG (MJPEG) Transmissi  Audio Com Audio Mod Authentica Total Bit R.	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 Interval Impression Interval	Microsoft® Windows® 7 Profession Microsoft® Windows® XP Profess Microsoft® Windows® XP Profess The language of the OS must be significant of the Microsoft® Windows® Interest Explore® 8.0 (82 bit) Microsoft® Microsoft® Microsoft® Interest Explore® 7.0 Microsoft® Microsoft® Interest Explore® 6.0 \$PS Microsoft® Interest Explore® 6.0 \$PS Microsoft® Microsoft® 6.0 \$PS Microsoft® 6.0	inal 64 bit/32 bit, eas SP1 32 bit, ional SP3 ame as selected GUI language. sosoft® Windows®7 Professional 64 bit/32 bit, windows Vata® Business SP1 32 bit), oft® Windows Vata® Business SP1 32 bit), oft® Windows® XP Professional SP3) nnector (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 20 x 180, up to 30 fps (20 x 180, up to 30 fps (21 x 180, up to 30 fps (22 x 180, up to 30 fps (23 x 180, up to 30 fps (24 x 180, up to 30 fps (25 x 180, up to 30 fps (26 x 180, up to 30 fps (27 x 180, up to 30 fps (28
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	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 Interval Impression Interval	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Bush Windows® Microsoft® Windows® XP Profess The language of the OS must be significant windows® Interest Explore® 8.0 (32 bit) (Microsoft® Mindows® Interest Explore® 6.0 SPS (Microsoft® Interest Explore® 6.0 SPS) (Microsoft® Interest Int	inal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® VP Professional SP3) nnector ion (320 x 240), up to 30 fps (320 x 240), up to 30 fps 20 x 180, up to 30
Network	Supported  Network IF Image Resolution *2 *3   H.264/ MPEG-4 *2   JPEG (MJPEG) Transmissi  Audio Com Audio Mod Authentica Total Bit R.	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 Interval Impression Interval	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Bush Microsoft® Windows Vista® Microsoft® Windows® XP Profess The language of the OS must be signed with the US must be sign	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® VP Professional SP3) nnector 10) / QVGA (320 x 240), up to 30 fps (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps 20 x 180, up to 30 fps y 360 / 320 x 180, up to 30 fps y 360 / 320 x 180, up to 30 fps y 360 / 320 x 180, up to 30 fps 20 x 180, up to 30 fps x 360 / 320 x 180, up to 30 fps will be restricted by 15 / 30 fps y Best effort 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fp y Best effort 2 s / 3 s / 4 s / 5 s  DRMAL / 6 / 7 / 8 / 9 LOW (10 steps: 0-9 will be restricted when displaying ages.) , G. 711 64 kbps active (Half duplex) / Interactive (Full duplex) sers c, FTP, SMTP, DNS, NTP, SMMP, DHCPv SR, RTSP, RTP, RTP/RTCP, TTP, SMMP, UPPP 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	OS  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 Impression le tion for Audio ate Protocol	Microsoft® Windows® 7 Profession Microsoft® Windows® XP Profess Microsoft® Windows® XP Profess The language of the OS must be six Windows® Internet Explore® 8.0 (82 bit 9). Windows® Internet Explore® 7.0 Microsoft® Microsoft® Microsoft® Internet Explore® 6.0 (82 bit 9). Windows® Internet Explore® 6.0 SPS Microsoft® Internet Explore® 6.0 SPS Microsoft® Microsoft® Microsoft® 6.0 SPS Microsoft® Microsoft® 6.0 SPS Microsoft® 6.0 SPS Microsoft® 6.0 Microsoft®	inal 64 bit/32 bit, eas SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, windows Vista® Business SP1 32 bit), oft® Windows Vista® Business SP1 32 bit), oft® Windows® XP Professional SP3) nnector (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 20 x 180, up to 30 fps (20 x 180, up to 30 fps (21 x 180, up to 30 fps (22 x 180, up to 30 fps (23 x 36 x 180, up to 30 fps (24 x 180, up to 30 fps (25 x 180, up to 30 fps (26 x 180, up to 30 fps (27 x 180, up to 30 fps (27 x 180, up to 30 fps (28 x 36 x 180, up to 30 fps (27 x 180, up to 30 fps (28 x 180, up to 30 fps (27 x 18 x 1
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	OS  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 Impression le tion for Audio ate Protocol	Microsoft® Windows® 7 Profession Microsoft® Windows Vista® Bush Microsoft® Windows Vista® Microsoft® Windows® XP Profess The language of the OS must be signed with the US must be sign	nal 64 bit/32 bit, ess SP1 32 bit, ional SP3 ame as selected GUI language. sost® Windows® 7 Professional 64 bit/32 bit, Windows Vista® Business SP1 32 bit), oft® Windows® VP Professional SP3) nnector 100/QVGA (320 x 240), up to 30 fps (320 x 240), up to 30 fps x 480 / 320 x 240, up to 30 fps 20 x 180, up to 30 fps y 360 / 320 x 180, up to 30 fps y 7 Best effort 1 / 3/5/7.5/10/12/15/20/30 fp 12/64 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.) c 3711 64 kbps active (Half duplex) / Interactive (Full duplex) SPFT, SMTP, DNS, NTP, SMMP, DHCPv PS, RTSP, RTP, RTP/RTCP, PTP, SMMP, UPPP transmission (When the FTP transmission D memory card is available.) splayed simultaneously on

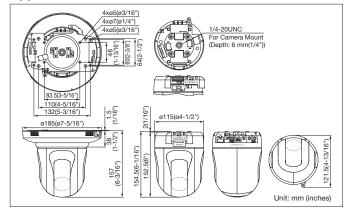
TV System		NTSC	PAL	
Network	Maximum Concurrent	Up to 14		
	Access Number	(Depends on network conditions)		
	SDHC/SD Memory Card	H.264 recording: Manual REC / Alarm REC (PRE/Post) / Schedule REC		
	(Option)	JPEG recording: Manual REC / Alarm REC (Post) / Backup upon network failure		
		Compatible SD (SDHC) card: Panasonic 256 MB, 512MB, 1GB,		
		2 GB, 4 GB*, 8 GB*, 16GB*, 32GB* model *SDHC card		
	Face Detection	ON / OFF (with XML notification )		
	Cellular Phone Compatibility	JPEG image, panning / tilting / zoom control, AUX control (by access level)		
Alarm	Alarm Source	3x Terminal inputs, VMD, Command alarm		
	Alarm Actions	SD memory recording, E-mail notification, Indication on browser,		
		Camera positioning, Preset position 1 ~ 64, FTP image transfer,		
		Terminal output, Panasonic protocol output, Auto track		
	Alarm Log	With SD memory card: 5,000 logs, Without SD memory card: 1,000 logs		
	Schedule	Alarm/VMD/Access permission, Preset position call, Position refresh,		
		H.264 recording		
Input /	Monitor Output	tput 1.0 V [p-p] / 75 Ω, NTSC composite, 1.0 V [p-p] / 75 Ω, PAL composite		
Output	(for adjustment)	ø3.5 mm mini jack	ø3.5 mm mini jack	
	Microphone/Line Input	ø3.5 mm monaural mini jack, Input impedance: approx. 2 kΩ		
	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	UT, ALARM IN 3 / AUX OUT (x1 each)	
General	Safety/EMC Standard	UL (UL60065), FCC (Part15 ClassA),		
		C-UL (CAN/CSA C22.2 No.60065),	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	ø115 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.)		

<sup>\*1</sup> 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.
   "Super Dynamic", "SDII", "SDIII", "SD5", "SD5Link", "i-PRO" 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.
- Panasonic can not be responsible for network performance and/or other manufacturer products that reside 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.

#### **DISTRIBUTED BY:**

