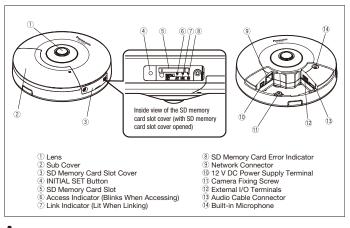


Ceiling View

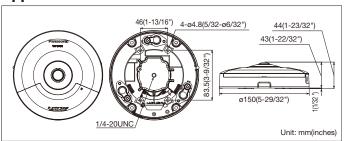


The EduCam360 (MV-SF448) classroom camera developed specifically for the education market. Manufactured by Panasonic—in partnership with Audio Enhancement, the pioneers of classroom audio—the EduCam360™ allows educators, administrators and security personnel to see the entire classroom—all at once! Choose one or all angles. View multiple, simultaneous angles of the classroom in high definition quality with the EduCam360. Choose full circle 360° panoramic, two 180° double panoramas, four quarter 90° or a simple single stream view. Super Dynamic SmartHD provides clarity like never before with the EduCam360. The sharp 1080p image even provides a clear image of the front of the classroom.

Part Names and Functions



Appearance



EduCam360[™] Specifications

TV Systen Camera			NTSC PAL	
	Image Se		1/3 type MOS Sensor	
	Effective Pixels		Approx. 3.1 megapixels	
	Scanning Mode		Progressive	
	Scanning Area Minimum Illumination		4.51 mm (H) × 3.38 mm (V) {3/16 inches (H) x 1/8 inches (V)}	
	iviinimum	illumination	Color: 1.5 lx (F2.4, Auto slow shutter: Off (1/30s), Gain:On(High)) Color: 0.1 lx (F2.4, Auto slow shutter: Max. 16/30s, Gain:On(High)) *1	
			BW: 1.2 lx (F2.4, Auto slow shutter: Off (1/30s), Gain:On(High))	
			BW: 0.08 lx (F2.4, Auto slow shutter: Off (16/30s), Gain:On(High)) *1	
	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) / ELC	
	Shutter Speed		With Super Dynamic On	
	Snutter Speed		ELC (1/30 s)	
			With Super Dynamic Off	
			ELC (1/30 s), ELC (3/100 s), ELC (3/120 s), ELC (2/100 s), ELC (2/120 s),	
			ELC (1/100 s), ELC (1/120 s), ELC (1/250 s), ELC (1/500 s), ELC (1/1,000 s)	
			ELC (1/2,000 s), ELC (1/4,000 s), ELC (1/10,000 s)	
	Super-Dy	ynamic	ON / OFF	
	Dynamic Range		52 dB typ. (only at Super-Dynamic On)	
	Adaptive Black Stretch		On/Off (only at Super-Dynamic Off)	
	AGC		ON (HIGH) / ON (MID) / ON (LOW) / OFF	
	Electronic Sensitivity UP		OFF (1/30 s), Max. 2/30 s, Max. 4/30 s, Max. 6/30 s, Max. 10/30 s, Max. 16/30 s	
	Day & Night(electrical)		OFF / AUTO	
	Digital Noise Reduction		HIGH / LOW	
	Video Motion Detection		ON / OFF, 4 areas available	
	Video analytics Face Detection		Off/On/On with face frame display	
	Auto mode:		However, face detection is not supported when "Fisheye" or "Quad streams" is	
			selected for the image type.	
	Auto mode:		Auto pan/ Preset sequence	
	Self return:		Auto mode can only be used when the image type is Quad PTZ or Single PTZ.	
	Seil return:		10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min Self return can only be used when the image type is Quad PTZ or Single PTZ.	
	Privacy Zone		ON / OFF (up to 4 zones available)	
	VIQS		On/Off (up to 2 areas available)	
			However, the VIQS function is not supported when "Quad PTZ", "Single PTZ" of	
			"Quad streams" are selected.	
	Camera Title (OSD)		Up to 20 characters (alphanumeric characters, marks) , On/Off	
	Carriera Title (USD)		However, you can specify characters to be displayed on each of the four screen:	
			when "Quad streams" is selected.	
Lens	Focal Length		0.837 mm	
Lens	Angular Field of View		Horizontal: 182 °, Vertical: 176 °	
	Maximun	n Aperture Ratio	1:2.4 (Fixed)	
	Focusing		0.3 m ~ ∞	
Browser	Camera (Control	Pan/Tilt/Digital Zoom, Preset, Auto Mode, Self Return, Fisheye Control, Brightness	
GUI			AUX ON / OFF	
	Display N	√lode	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.	
	Digital Zoom		1x, 2x, 4x controlled by browser GUI (Quad PTZ or Single PTZ mode)	
	O TIV		1x ~4x (Panorama, Double Panorama, 3M Fisheye mode)	
	Camera Title		Up to 20 alphanumeric characters	
	Clock Display		Time: 12H/24H, Date: 5 formats on the browser, Summer time (Manual)	
	Alarm Control		Reset	
	One Shot Capture		A still picture will be displayed on a newly opened window. Mic (Line) Input: ON / OFF Volume adjustment: Low / Middle / High,	
	Audio		Audio Output: ON / OFF Volume adjustment: Low / Middle / High	
	SD Memory Data Download		Still or motion Images recorded in the SDXC/SDHC/SD memory card can be downloaded.	
	GUI/Setup Menu Language		English, Italian, French, German, Spanish, Russian, Chinese, Japanese	
	System Log		Up to 100 (Internal), Up to 4,000 (SDXC/SDHC/SD memory when the recording	
	System Log		format is set to JPEG.) error logs	
			Microsoft® Windows® 7, Microsoft® Windows Vista®,	
	Supporte	ed OS *2 *3		
	Supporte	ed OS *2 *3	Microsoft® Windows® XP SP3	
		ed OS *2 *3 ed Browser	Microsoft® Windows® XP SP3	
Network		ed Browser	Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0(32 bit)	
Network	Supporte Network II	ed Browser F 2M Panorama[16:9]/	Microsoft [®] Windows [®] XP SP3 Windows [®] Internet Explorer [®] 8.0(32 bit), Windows [®] Internet Explorer [®] 8.0(32 bit), Windows [®] Internet Explorer [®] 7.0 (32 bit), Microsoft [®] Internet Explorer [®] 6.0 SP3 10Baser 7 100Baser 17, RU-45 connector (female) H.264(1): 1920x1080 / 640x360 / 320x180, up to 30 fps	
Network	Supporter Network II Image Resolution	ed Browser F 2M Panorama[16:9]/ 2M Double	Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0(32 bit) Windows® Internet Explorer® 7.0 (32 bit), Microsoft® Internet Explorer® 6.0 SP3 10Base=T / 100Base=TX, RJ-45 connector (female) H.264(1): 1920x1080 / 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps	
Network	Supporte Network II	ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]:	Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 6.0 (32 bit), Microsoft® Internet Explorer® 6.0 SP3 10Base-T / 100Base-TX, RJ-45 connector (female) H.264(1): 1920x1080 / 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps JPEG: 1920x1080 / 640x360 / 320x180, up to 30 fps	
Network	Supporter Network II Image Resolution	ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]: 1.3M Panorama [16:9]/	Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0(32 bit) Windows® Internet Explorer® 7.0 (32 bit), Microsoft® Internet Explorer® 6.0 SP3 10Base=T 7 100Base=TX, RJ-45 connector (female) H.264(1): 1920x1080 / 640x60 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps H.264(2): 1920x1080 / 640x360 / 320x180, up to 30 fps H.264(1): 1280x720 / 540x360 / 320x180, up to 30 fps	
Network	Supporter Network II Image Resolution	ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]: 1.3M Panorama [16:9]/ 1.3M Double	Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 6.0 (32 bit), Windows® Internet Explorer® 6.0 SP3 10Base=T / 100Base=TX, RJ-45 connector (female) H.264(1): 1920x1080 / 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps JPEG: 1920x1080 / 640x360 / 320x180, up to 30 fps H.264(1): 1280x720 / 640x360 / 320x180, up to 30 fps H.264(1): 1280x720 / 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps	
Network	Supporter Network II Image Resolution	E 2M Panorama[16:9]/ 2M Double Panorama [16:9]: 1.3M Panorama [16:9]: 1.3M Double Panorama [16:9]:	Microsoft [®] Windows [®] XP SP3 Windows [®] Internet Explorer [®] 8.0(32 bit), Windows [®] Internet Explorer [®] 8.0(32 bit), Windows [®] Internet Explorer [®] 7.0 (32 bit), Microsoft [®] Internet Explorer [®] 6.0 SP3 10Base-T / 100Base-T X, RJ-45 connector (female) H.264(1): 12050x1600 / 640x560 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps JPEG- 1920x1080 / 640x360 / 320x180, up to 30 fps H.264(2): 1280x720 / 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps JPEG: 1280x720 / 640x360 / 320x180, up to 30 fps JPEG: 1280x720 / 640x360 / 320x180, up to 30 fps JPEG: 1280x720 / 640x360 / 320x180, up to 30 fps	
Network	Supporter Network II Image Resolution	F 2M Panorama[16:9]/ 2M Double Panorama [16:9]: 1.3M Panorama [16:9]/ 1.3M Double Panorama [16:9]/ Panorama + Quad PTZ/	Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Microsoft® Internet Explorer® 6.0 SP3 10Base=T / 100Base=TX, RJ-45 connector (female) H264(1): 1920x1080 / 640x360 / 320x180, up to 30 fps H264(1): 1920x1080 / 640x360 / 320x180, up to 30 fps H264(2): 1920x1080 / 640x360 / 320x180, up to 30 fps H264(2): 1920x720 / 640x360 / 320x180, up to 30 fps H264(2): 640x360 / 320x180, up to 30 fps H264(2): 640x360 / 320x180, up to 30 fps JPEG: 1280x720 / 640x360 / 320x180, up to 30 fps • When using distribution of "Wall Panorama" or "Double panorama"	
Network	Supporter Network II Image Resolution	Ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]: 1.3M Panorama [16:9]: 1.3M Double Panorama [16:9]: Panorama + Single PTZ/	Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 6.0 SP3 10Base=T / 100Base=TX, RJ-45 connector (female) 10Base=T / 100Base=TX, RJ-45 connector (female) 14.264(1): 1920x1080 / 640x360 / 320x180, up to 30 fps 14.264(2): 640x360 / 320x180, up to 30 fps 14.264(2): 640x360 / 320x180, up to 30 fps 14.264(1): 1280x720 / 640x360 / 320x180, up to 30 fps 14.264(2): 1280x720 / 640x360 / 320x180, up to 30 fps 15.264(2): 1280x720 / 640x360 / 320x180, up to 30 fps 16.264(2): 1280x720 / 640x360 / 320x180, up to 30 fps 17.264(2): 1280x180 / 640x360 / 320x180, up to 30 fps	
Network	Supporter Network II Image Resolution	Ed Browser F. 2M Panorama[16:9]/ 2M Double Panorama [16:9]: 1.3M Panorama [16:9]/ 1.3M Double Panorama [16:9]: Panorama + Single PTZ/ Double Panorama	Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0(32 bit) Windows® Internet Explorer® 7.0 (32 bit), Microsoft® Internet Explorer® 6.0 SP3 10Base=T 7 100Base=TX, RJ-45 connector (female) H.264(1): 1920x1080 / 640x60 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps H.264(2): 1280x720 / 540x360 / 320x180, up to 30 fps H.264(2): 1280x720 / 540x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps H.264(1): 1280x720 / 640x360 / 320x180, up to 30 fps • When using distribution of "Wall Panorama" or "Double panorama" H.264(1): 1920x1080 / 640x360 / 320x180, up to 15 fps JPEG: 1920x1080 / 640x360 / 320x180, up to 15 fps	
Network	Supporter Network II Image Resolution	Ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]/ 1.3M Panorama [16:9]/ 1.3M Double Panorama [16:9]/ Panorama [16:9]/ Panorama 4 Sngle PTZ/ Double Panorama + Quad PTZ/	Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0(32 bit) Windows® Internet Explorer® 7.0 (32 bit), Microsoft® Internet Explorer® 6.0 SP3 10Base=T / 100Base=TX, RJ-45 connector (female) L264(1): 1920x 1080 / 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps H.264(1): 120x180 / 640x360 / 320x180, up to 30 fps H.264(1): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps J.264(2): 120x180 / 640x360 / 320x180, up to 15 fps	
Network	Supporter Network II Image Resolution	Ed Browser F. 2M Panorama[16:9]: 2M Double Panorama [16:9]: 1.3M Panorama [16:9]: 1.3M Double Panorama [16:9]: Panorama [16:9]: Panorama 1- Quad PT2/ Panorama 1- Quad PT2/ Double Panorama + Quad PT2/ Double Panorama + Quad PT2/ Double Panorama + Quad PT2/ Double Panorama	Microsoft® Windows® XP SP3 Windows® Internet Explore® 8.0(32 bit), Windows® Internet Explore® 8.0(32 bit), Windows® Internet Explore® 7.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base=T / 100Base=TX, RJ-45 connector (female) H.264(1): 12050x1800 / 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps H.264(1): 1280x720 / 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps H.264(3): 1280x720 / 640x360 / 320x180, up to 30 fps When using distribution of "Wall Panorama" or "Double panorama" H.264(1): 1280x720 / 640x360 / 320x180, up to 15 fps JPEG: 120x1080 / 640x360 / 320x180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280x960 / 640x480 / 320x180, up to 15 fps	
Network	Supporter Network II Image Resolution	Panorama (16:9): 2M Panorama (16:9): 1.3M Panorama (16:9): 1.3M Panorama (16:9): Panorama (16:9): Panorama - Single P7I7 Double Panorama + Ougle P7I7 Double Panorama + Yingle P7I7 Double Panorama + Yingle P7I7 Double Panorama + Yingle P7I7	Microsoft [®] Windows [®] XP SP3 Windows [®] Internet Explorer [®] 9.0 (32 bit), Windows [®] Internet Explorer [®] 8.0 (32 bit) Windows [®] Internet Explorer [®] 7.0 (32 bit), Microsoft [®] Internet Explorer [®] 6.0 SP3 10Base-T 7 100Base-T X, RJ-45 connector (female) H264(1): 1920x1090 / 640x60 / 320x180, up to 30 fps H264(2): 640x360 / 320x180, up to 30 fps H264(2): 640x360 / 320x180, up to 30 fps H264(2): 1920x1090 / 640x360 / 320x180, up to 30 fps H264(2): 640x360 / 320x180, up to 30 fps H264(2): 640x360 / 320x180, up to 30 fps H264(1): 1920x720 / 640x360 / 320x180, up to 30 fps • When using distribution of "Wall Panorama" or "Double panorama" H264(1): 1920x1080 / 640x360 / 320x180, up to 15 fps JPEG: 1920x1080 / 640x360 / 320x180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" H264(1): 1280x360 / 640x480 / 320x240, up to 15 fps JPEG: 1280x360 / 640x480 / 320x240, up to 15 fps	
Network	Supporter Network II Image Resolution	Ed Browser F. 2M Panorama[16:9]: 2M Double Panorama [16:9]: 1.3M Panorama [16:9]: 1.3M Double Panorama [16:9]: Panorama [16:9]: Panorama 1- Quad PT2/ Panorama 1- Quad PT2/ Double Panorama + Quad PT2/ Double Panorama + Quad PT2/ Double Panorama + Quad PT2/ Double Panorama	Microsoft [®] Windows [®] XP SP3 Windows [®] Internet Explorer [®] 8.0(32 bit), Windows [®] Internet Explorer [®] 8.0(32 bit), Windows [®] Internet Explorer [®] 7.0 (32 bit), Microsoft [®] Internet Explorer [®] 6.0 SP3 10Baser 7.100Baser 17, RJ-45 connector (female) Hz64(1): 190Kaser 17, RJ-45 connector (female) Hz64(1): 190Kaser 17, RJ-45 connector (female) Hz64(2): 640x360 / 320x180, up to 30 fps JPEG: 1920x180 / 640x360 / 320x180, up to 30 fps Hz64(1): 1280x720 / 640x360 / 320x180, up to 30 fps Hz64(1): 1280x720 / 640x360 / 320x180, up to 30 fps JPEG: 1280x720 / 640x360 / 320x180, up to 30 fps • When using distribution of "Wall Panorama" or "Double panorama" Hz64(1): 1280x720 / 640x360 / 320x180, up to 15 fps • When using distribution of "Qual PTz" or "Single PTz" Hz64(2): 1280x960 / 640x360 / 320x180, up to 15 fps • When using distribution of "Qual PTz" or "Single PTz" Hz64(2): 1280x960 / 640x360 / 320x240, up to 15 fps	
Network	Supporter Network II Image Resolution	Panorama (16:9): 2M Panorama (16:9): 1.3M Panorama (16:9): 1.3M Panorama (16:9): Panorama (16:9): Panorama - Single P7I7 Double Panorama + Ougle P7I7 Double Panorama + Yingle P7I7 Double Panorama + Yingle P7I7 Double Panorama + Yingle P7I7	Microsoft® Windows® XP SP3 Windows® Internet Explore® 9.0 (82 bit), Windows® Internet Explore® 8.0 (82 bit) Windows® Internet Explore® 7.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base=T7 100Base=TX, RJ-45 connector (female) Hz64(1): 1920x1080 / 640x60 / 320x180, up to 30 fps Hz64(1): 1920x1080 / 640x360 / 320x180, up to 30 fps Hz64(2): 640x360 / 320x180, up to 30 fps Hz66: 1920x1080 / 640x360 / 320x180, up to 30 fps • When using distribution of "Wall Panorama" or "Double panorama" Hz64(1): 1920x1080 / 640x360 / 320x180, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" Hz64(2): 1280x560 / 640x360 / 320x240, up to 15 fps • When using distribution of "Quad PTZ" or "Single PTZ" Hz64(2): 1280x560 / 640x360 / 320x240, up to 15 fps JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps Ch1-Cn4 640x480 max.30 fps **Only for Hz64 images.	
Network	Supporter Network II Image Resolution	ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]: 1.3M Parorama [16:9]: 1.3M Parorama [16:9]: Panorama 16:9]: Panorama 16:9]: Panorama 10:90 Panorama 10:90 Panorama 10:90 PIZ/ Double Panorama + Quad PTZ/ Double Panorama + Single PTZ. VGA Quad streams	Microsoft [®] Windows [®] XP SP3 Windows [®] Internet Explorer [®] 8.0(32 bit) Windows [®] Internet Explorer [®] 7.0 (32 bit), Windows [®] Internet Explorer [®] 6.0 SP3 10Baser 7 100Baser 17, 10Baser 18, 1	
Network	Supporter Network II Image Resolution	Panorama (16:9): 2M Panorama (16:9): 1.3M Panorama (16:9): 1.3M Panorama (16:9): Panorama (16:9): Panorama - Single P7I7 Double Panorama + Ougle P7I7 Double Panorama + Yingle P7I7 Double Panorama + Yingle P7I7 Double Panorama + Yingle P7I7	Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0(32 bit) Windows® Internet Explorer® 7.0 (32 bit), Microsoft® Internet Explorer® 6.0 SP3 10Base=T7 100Base=TX, RJ-45 connector (female) H264(1): 1920x1080 / 640x60 / 320x180, up to 30 fps H264(1): 1920x1080 / 640x360 / 320x180, up to 30 fps H264(2): 640x360 / 320x180, up to 30 fps H264(1): 1280x720 / 640x360 / 320x180, up to 30 fps H264(1): 1920x1080 / 640x360 / 320x180, up to 30 fps When using distribution of "Wall Panorama" or "Double panorama" H264(1): 1920x1080 / 640x360 / 320x180, up to 15 fps JPEG: 1920x1080 / 640x360 / 320x240, up to 15 fps When using distribution of "Quad PTZ" or "Single PTZ" H264(2): 1280x360 / 640x480 / 320x240, up to 15 fps JPEG: 1280x360 / 640x480 / 320x240, up to 15 fps JPEG: 1280x360 / 640x480 / 320x240, up to 15 fps JPEG: 1280x360 / 640x480 / 320x240, up to 15 fps There are specification limitations such as the SD memory card function bein unavailable. H264(1): 1280x560, up to 15 fps	
Network	Supporte Network II Image Resolution *4	ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]/ 1.3M Panorama [16:9]/ 1.3M Panorama [16:9]/ 1.3M Panorama [16:9]/ 1.3M Panorama [16:9]/ Panorama - Quad PTZ/ Panorama - Quad PTZ/ Double Panorama + Quad PTZ/ UGA Quad streams 3M Fisheye [4:3]:	Microsoft® Windows® XP SP3 Windows® Internet Explore® 8.0(32 bit) Windows® Internet Explore® 7.0 (32 bit), Windows® Internet Explore® 8.0(32 bit) Windows® Internet Explore® 7.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base=T7 100Base=TX, RJ-45 connector (female) Hz64(1): 1205x1800 / 640x360 / 320x180, up to 30 fps Hz64(1): 1280x720 / 640x360 / 320x180, up to 30 fps Hz64(1): 1280x720 / 640x360 / 320x180, up to 30 fps Hz64(1): 1280x720 / 640x360 / 320x180, up to 30 fps Hz64(2): 640x360 / 320x180, up to 30 fps Hz66: 1280x720 / 640x360 / 320x180, up to 30 fps FP66: 1280x720 / 640x360 / 320x180, up to 30 fps When using distribution of "Wall Panorama" or "Double panorama" Hz64(1): 1280x360 / 460x360 / 320x180, up to 15 fps When using distribution of "Quad PTZ" or "Single PTZ" Hz64(2): 1280x360 / 640x480 / 320x240, up to 15 fps FP6: 1280x360 / 640x480 / 320x240, up to 15 fps Ch1-Ch4 640x480 max.30 fps *Only for Hz64 images. *There are specification limitations such as the SD memory card function bein unavailable. Hz64(1): 1280x960, up to 15 fps FP66: 2048x1536, up to 15 fps	
Network	Supporter Network II Image Resolution	ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]: 1:3M Panorama [16:9]: 1:3M Panorama [16:9]: 1:3M Panorama [16:9]: Panorama 16:9]: Panorama 16:9]: Panorama 16:9]: Panorama 20:9P27/ Panorama 4:0ud PT2/ Double Panorama 4: Quad PT2/ Double Panorama 4: Single PT2: VGA Quad streams 3M Fisheye [4:3]: Transmission Mode	Microsoft® Windows® XP SP3 Windows® Internet Explore® 8.0 (82 bit), Windows® Internet Explore® 8.0 (82 bit) Windows® Internet Explore® 7.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base=T 7.100Base=TX, RJ-45 connector (female) H.264(1); 1200c0 1800 7.640x500 7.320x180, up to 30 fps H.264(2); 640x360 7.320x180, up to 30 fps H.264(2); 640x360 7.320x180, up to 30 fps H.264(2); 1280x720 7.640x360 7.320x180, up to 30 fps H.264(2); 1280x720 7.640x360 7.320x180, up to 30 fps H.264(2); 640x360 7.320x180, up to 30 fps JPEG: 1290x720 7.640x360 7.320x180, up to 30 fps • When using distribution of "Wall Panorama" or "Double panorama" H.264(1): 1290x1080 7.640x360 7.320x180, up to 15 fps JPEG: 1920x1080 7.640x360 7.320x180, up to 15 fps JPEG: 1280x860 7.640x480 7.320x240, up to 15 fps JPEG: 1280x360 7.640x480 7.320x240, up to 15 fps JPEG: 1280x360 7.640x480 7.320x240, up to 15 fps JPEG: 1280x360, vp to 15 fps JPEG: 2040x1530, up to 15 fps JPEG: 2040x1530, up to 15 fps JPEG: 190x1640 7.640x460 7.6	
Network	Supporte Network II Image Resolution *4	Part Panorama (16:9): 2M Panorama (16:9): 1.3M Panorama (16:9): 1.3M Panorama (16:9): 1.3M Panorama (16:9): Panorama (16:9): Panorama (16:9): Panorama (16:9): Panorama - Single PTZ/ Double Panorama + Quad PTZ/ UGA Quad streams 3M Fisheye [4:3]: Transmission Mode Frame Rate	Microsoft® Windows® XP SP3 Windows® Internet Explorer® 9.0 (32 bit), Windows® Internet Explorer® 8.0 (32 bit), Windows® Internet Explorer® 7.0 (32 bit), Microsoft® Internet Explorer® 6.0 SP3 10Base=T7 100Base=TX, RJ-45 connector (female) H264(1): 190Cx1080 / 640x360 / 320x180, up to 30 fps H264(2): 640x360 / 320x180, up to 30 fps H264(1): 1280x720 / 640x360 / 320x180, up to 30 fps When using distribution of "Wall Panorama" or "Double panorama" H.264(1): 1290x1080 / 640x360 / 320x180, up to 15 fps JPEG: 1290x1080 / 640x360 / 320x180, up to 15 fps When using distribution of "Quad PTZ" or "Single PTZ" H.264(2): 1280x960 / 640x480 / 320x240, up to 15 fps JPEG: 120x360 / 640x360 / 320x240, up to 15 fps Ch1-Ch4 640x480 max.30 fps Only for H.264 images. *There are specification limitations such as the SD memory card function bein unavailable. H.264(1): 1280x660, up to 15 fps JPEG: 2048x1536, up to 15 fps Constant bitrate / Best effort 1/37 57.75 / 107 127 / 15 / 20 / 30 fps	
Network	Supporte Network II Image Resolution *4	ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]: 1:3M Panorama [16:9]: 1:3M Panorama [16:9]: 1:3M Panorama [16:9]: Panorama 16:9]: Panorama 16:9]: Panorama 16:9]: Panorama 20:9P27/ Panorama 4:0ud PT2/ Double Panorama 4: Quad PT2/ Double Panorama 4: Single PT2: VGA Quad streams 3M Fisheye [4:3]: Transmission Mode	Microsoft [®] Windows [®] XP SP3 Windows [®] Internet Explorer [®] 8.0(32 bit) Windows [®] Internet Explorer [®] 7.0 (32 bit), Windows [®] Internet Explorer [®] 6.0 SP3 10Baser 7 100Baser 17, 10Baser 18, 1	
Network	Supporte Network II Image Resolution *4	Part Panorama (16.9) 2M Panorama (16.9) 2M Double Panorama (16.9) 1.3M Panorama (16.9) 1.3M Double Panorama 16.9) 1.3M Double Panorama 16.90 1.3M Panorama 16.90 1.3M Panorama 1.5Mg PTID Double Panorama + Ouad PTIZ Double Panorama + Single PTIZ VGA Quad streams 3M Fisheye [4.3]: Transmission Mode Frame Rate Bit Rater/Client	Microsoft® Windows® XP SP3 Windows® Internet Explorer® 30.02 bit), Windows® Internet Explorer® 8.0(32 bit) Windows® Internet Explorer® 70.0 (32 bit), Windows® Internet Explorer® 6.0 SP3 10Base=T7 100Base=TX, RJ-45 connector (female) H264(1): 1920x1800 / 640x60 / 320x180, up to 30 fps H264(2): 640x360 / 320x180, up to 30 fps H264(1): 120x1080 / 640x360 / 320x180, up to 30 fps When using distribution of "Wall Panorama" or "Double panorama" H264(1): 1320x1080 / 640x360 / 320x180, up to 15 fps JPEG: 1280x1080 / 640x360 / 320x180, up to 15 fps When using distribution of "Quad PTZ" or "Single PTZ" H264(2): 1280x360 / 640x360 / 320x240, up to 15 fps JPEG: 1280x360 / 640x360 / 320x240, up to 15 fps JPEG: 1280x360 / 640x360 / 320x240, up to 15 fps JPEG: 1280x360 / 640x360 / 320x240, up to 15 fps JPEG: 1280x360 / 640x360 / 320x240, up to 15 fps JPEG: 1280x360 / 640x480 / 320x240, up to 15 fps JPEG: 1280x360 / 640x360 / 320x240, up to 15 fps JPEG: 1280x360 / 640x480 / 320x240, up to 15 fps JPEG: 1280x360 / 640x360 / 320x240, up to 15 fps Ch1-Ch4 640x480 max.30 fps **Only for H264 images.** There are specification limitations such as the SD memory card function bein unavailable. H264(1): 1280x360, up to 15 fps JPEG: 2048x1536, up to 15 fps JPEG: 2048x1536, up to 15 fps Constant bitrate / Best effort 1/3/5/7.5/10/12/15/20/30 fps 64/128/25/64/12,288/14/336 kbps	
Network	Supporte Network II Image Resolution *4	ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]/ 1.3M Panorama [16:9]/ 1.3M Panorama [16:9]/ 1.3M Panorama [16:9]/ 1.3M Panorama [16:9]/ Panorama - Oud PIZ/ Panorama - Oud PIZ/ Double Panorama + Quad PIZ/ Double Panorama + Single PTZ. VGA Quad streams 3M Fisheye [4:3]: Transmission Mode Frame Rate Bit Rate/Client Image Quality	Microsoft [®] Windows [®] XP SP3 Windows [®] Internet Explorer [®] 8.0(32 bit) Windows [®] Internet Explorer [®] 7.0 (32 bit), Windows [®] Internet Explorer [®] 6.0 SP3 10Base-T / 100Base-T X, RJ-45 connector (female) H.264(1): 1205x1080 / 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps H.264(1): 1280x720 / 640x360 / 320x180, up to 30 fps H.264(1): 1280x720 / 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps H.264(2): 640x360 / 320x180, up to 30 fps JPEG: 1280x720 / 640x360 / 320x180, up to 30 fps When using distribution of "Wall Panorama" or "Double panorama" H.264(1): 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 1920x1080 / 640x360 / 320x180, up to 15 fps JPEG: 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 1280x360 / 640x360 / 320x180, up to 15 fps JPEG: 204x180 max 30 fps	
Network	Supporte Network II Image Resolution *4	ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]: 1:3M Panorama [16:9]: 1:3M Panorama [16:9]: 1:3M Panorama [16:9]: 1:3M Panorama [16:9]: Panorama 16:9]: Panorama 16:9]: Panorama 16:9]: Panorama 19:0d PTZ Double Panorama + Quad PTZ/ Double Panorama + Single PTZ: VGA Quad streams 3M Fisheye [4:3]: Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh interval	Microsoft [®] Windows [®] XP SP3 Windows [®] Internet Explorer [®] 8.0 (32 bit), Windows [®] Internet Explorer [®] 8.0 (32 bit) Windows [®] Internet Explorer [®] 7.0 (32 bit), Microsoft [®] Internet Explorer [®] 6.0 SP3 10Base 7.7 (10Base 7.1X, RJ-45 connector (female) Hz64(1): 1920x1080 / 640x360 / 320x180, up to 30 fps Hz64(1): 1920x1080 / 640x360 / 320x180, up to 30 fps Hz64(1): 1280x720 7 540x360 / 320x180, up to 30 fps Hz64(1): 1280x720 7 540x360 / 320x180, up to 30 fps Hz64(1): 1280x720 7 540x360 / 320x180, up to 30 fps Hz64(1): 1290x100 / 320x180, up to 30 fps Hz65: 1280x720 / 640x360 / 320x180, up to 30 fps - Winen using distribution of "Wall Panorama" or "Double panorama" Hz64(1): 1290x1080 / 640x360 / 320x180, up to 15 fps - When using distribution of "Quad PTZ" or "Single PTZ" Hz64(2): 1280x560 / 640x360 / 320x240, up to 15 fps - When using distribution of "Quad PTZ" or "Single PTZ" Hz64(2): 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x240, up to 15 fps - JPEG: 1280x560 / 640x360 / 320x560 / 440x360 / 320x560	
Network	Supporte Network II Image Resolution *4 H.264	ed Browser F 2M Panorama[16:9]: 2M Double Panorama [16:9]: 1.3M Panorama[16:9]: 1.3M Panorama [16:9]: 1.3M Panorama [16:9]: Panorama [16:9]: Panorama - 1.0md PTZ/ Panorama - 2.0md PTZ/ Double Panorama + 2.0md PTZ/ Double Panorama + 2.0md PTZ/ Double Panorama + 2.0md PTZ/ USA Quad streams 3M Fisheye [4:3]: Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type	Microsoft® Windows® XP SP3 Windows® Internet Explore® 3.0 (32 bit), Windows® Internet Explore® 8.0 (32 bit), Windows® Internet Explore® 8.0 (32 bit), Windows® Internet Explore® 7.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base=7 1/10Base=77, 10Base=77, 10	
Network	Supporte Network II Image Resolution *4	ed Browser F 2M Panorama[16:9]; 2M Double Panorama [16:9]; 1-3M Parorama [16:9]; 1-3M Panorama [16:9]; 1-3M Panorama [16:9]; 1-3M Panorama Panoram	Microsoft® Windows® XP SP3 Windows® Internet Explore® 8.0(32 bit), Windows® Internet Explore® 8.0(32 bit), Windows® Internet Explore® 7.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base=7 1.00Base=77, 10Base=77, 1	
Network	Supporte Network II Image Resolution *4 H.264	ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]: 1.3M Panorama [16:9]: Panorama - Quad PTZ Panorama - Single PTZ Double Panorama + Quad PTZ/ Double Panorama + Single PTZ: VGA Quad streams 3M Fisheye [4:3]: Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval	Microsoft® Windows® XP SP3 Windows® Internet Explore® 3.0 (32 bit), Windows® Internet Explore® 8.0 (32 bit), Windows® Internet Explore® 7.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base=T7 100Base=TX, RJ-45 connector (female) H264(1): 1920x1080 / 640x60 / 320x180, up to 30 fps H264(1): 1920x1080 / 640x360 / 320x180, up to 30 fps H264(2): 640x360 / 320x180, up to 30 fps H266: 1280x1080 / 640x360 / 320x180, up to 35 fps H266: 1280x1080 / 640x360 / 320x180, up to 15 fps JPE6: 1280x360 / 640x360 / 320x180, up to 15 fps JPE6: 1280x360 / 640x360 / 320x180, up to 15 fps JPE6: 1280x360 / 640x360 / 320x240, up to 15 fps JPE6: 1280x360 / 640x360 / 320x240, up to 15 fps JPE6: 1280x360 / 640x360 / 320x240, up to 15 fps JPE6: 1280x360 / 640x360 fps *There are specification limitations such as the SD memory card function bein unavailable. H264(1): 1280x360, up to 15 fps JPE6: 2048x1536, up to 15 fps JPE6: 2048x1536, up to 15 fps JPE6: 2048x1536, up to 15 fps JPE6: 1280x360, up to 15 fps JPE6: 1280x460, up to 15 fps	
Network	Supporte Network II Image Resolution *4 H.264	ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]/ 1.3M Panorama [16:9]/ 1.3M Panorama [16:9]/ 1.3M Panorama [16:9]/ 1.3M Panorama [16:9]/ Panorama - Oud PIZ/ Panorama - Oud PIZ/ Double Panorama + Quad PIZ/ Double Panorama + Single PTZ. VGA Quad streams 3M Fisheye [4:3]: Transmission Mode Frame Ratie Bit RaterClient Image Quality Refresh Interval Irransmission Type Image Quality Refresh Interval Image Quality Irransmission Type Image Quality Irransmission Type Image Quality Irransmission Type Image Quality Irransmission Type	Microsoft® Windows® XP SP3 Windows® Internet Explore® 8.0(32 bit), Windows® Internet Explore® 8.0(32 bit), Windows® Internet Explore® 7.0 (32 bit), Windows® Internet Explore® 6.0 SP3 10Base=T / 100Base=TX, RJ-45 connector (female) H.264(1): 1200C0000000000000000000000000000000000	
Network	Supporte Network II Image Resolution *4 H.264 JPEG Audio Coi	ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]: 1.3M Panorama [16:9]: 1.3M Panorama [16:9]: 1.3M Panorama [16:9]: 1.3M Panorama [16:9]: Panorama 1-Quad PTZ/ Panorama 1-Quad PTZ/ Double Panorama + Quad PTZ/ Double Panorama + Single PTZ: VGA Quad Streams 3M Fisheye [4:3]: Transmission Mode Frame Rate Bit Rate/Cilent Image Quality Refresh Interval Transmission Type Image Quality Refresh Interval	Microsoft® Windows® XP SP3 Windows® Internet Explore® 3.0 (32 bit), Windows® Internet Explore® 8.0 (32 bit) Windows® Internet Explore® 7.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base=T 7.100Base=TX, RJ-45 connector (female) Hz64(1): 1200x1807 (640x360 / 320x180, up to 30 fps Hz64(1): 1280x720 7.40x360 / 320x180, up to 30 fps Hz64(1): 1280x720 7.640x360 / 320x180, up to 30 fps Hz64(1): 1280x720 7.640x360 / 320x180, up to 30 fps Hz64(1): 1280x720 7.640x360 / 320x180, up to 30 fps Hz64(1): 1280x720 7.640x360 / 320x180, up to 30 fps Hz66: 1290x720 / 640x360 / 320x180, up to 30 fps When using distribution of "Wall Panorama" or "Double panorama" Hz64(1): 1290x1080 / 640x360 / 320x180, up to 15 fps JPEG: 1290x1080 / 640x360 / 320x180, up to 15 fps JPEG: 1290x8060 / 640x360 / 320x240, up to 15 fps JPEG: 1280x8060 / 640x360 / 320x240, up to 15 fps JPEG: 1280x8060 / 640x360 / 320x240, up to 15 fps JPEG: 1280x360 / 640x360 / 320x240, up to 15 fps JPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps JPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1280x360 / 640x360 / 320x240, up to 15 fps LPEG: 1	
Network	Supporte Network II Image Resolution *4 H.264 JPEG Audio Cot Audio Mo	ed Browser F 2M Panorama[16:9]/ 2M Double Panorama [16:9]/ 1.3M Panorama 10:9]/ Panorama 4 Oud PTZ/ Panorama 4 Oud PTZ/ Double Panorama + Quad PTZ/ Double Panorama + Single PTZ- VGA Quad streams 3M Fisheye [4:3]: Transmission Mode Frame Rate Bit Rate/Client Image Quality Refresh Interval Transmission Type Image Quality	Microsoft® Windows® XP SP3 Windows® Internet Explore® 8.0(32 bit) Windows® Internet Explore® 7.0 (32 bit), Windows® Internet Explore® 8.0(32 bit) Windows® Internet Explore® 7.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base=T7 100Base=TX, RJ-45 connector (female) Hz64(1): 1205x1080 / 640x360 / 320x180, up to 30 fps Hz64(2): 640x360 / 320x180, up to 30 fps JF66: 1280x720 / 640x360 / 320x180, up to 30 fps JF66: 1280x720 / 640x360 / 320x180, up to 30 fps JF66: 1280x720 / 640x360 / 320x180, up to 15 fps When using distribution of "Wall Panorama" or "Double panorama" Hz64(1): 1220x360 / 640x360 / 320x180, up to 15 fps JF66: 1280x1080 / 640x360 / 320x180, up to 15 fps JF66: 1280x860 / 640x480 / 320x240, up to 15 fps JF66: 1280x860 / 640x480 / 320x240, up to 15 fps Ch1-Ch4 640x480 max. 30 fps "Only for Hz64 images. "There are specification limitations such as the SD memory card function bein unavailable. Hz64(1): 1280x960, up to 15 fps JF66: 2048x1536, up to 15 fps Constant bitrate / Best effort 1/3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 3,192 / 10,240 / 12,288 / 14,336 kbps LUM / NORMAL / FINE 1 fps = 30 fps UNICAST / MULTICAST 10 steps 0.1 fps = 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps (Frid (Lipel) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)	
Network	Supporte Network II Image Resolution *4 H.264 JPEG Audio Co Audio Mo Authentic	ed Browser F 2M Panorama[16:9]; 2M Double Panorama [16:9]; 1:3M Panorama [16:9]; 1:3M Panorama [16:9]; 1:3M Panorama [16:9]; 1:3M Panorama [16:9]; Panorama 1:3m Panorama	Microsoft® Windows® XP SP3 Windows® Internet Explore® 8.0(32 bit) Windows® Internet Explore® 7.0 (32 bit), Windows® Internet Explore® 6.0 SP3 10Base=7 / 100Base=7X, RJ-45 connector (female) Hz64(1): 120Base=7X, RJ-45 connector (female) Hz64(1): 120Base=7X, RJ-45 connector (female) Hz64(1): 1280x720 / 140Case=70 / 14	
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Network	Supporte Network II Image Resolution '4 H.264 JPEG Audio Coi Audio Mo Authentic Total Birk Total Birk Total Birk II Total Birk Total Birk II Total Birk I	ed Browser F 2M Panorama[16:9]; 2M Double Panorama [16:9]; 1:3M Panorama [16:9]; 1:3M Panorama [16:9]; 1:3M Panorama [16:9]; 1:3M Panorama [16:9]; Panorama 16:9]; Panorama 10:9]; Panorama 1	Microsoft® Windows® XP SP3 Windows® Internet Explore® 8.0(32 bit), Windows® Internet Explore® 8.0(32 bit), Windows® Internet Explore® 7.0 (32 bit), Microsoft® Internet Explore® 6.0 SP3 10Base=T / 100Base=TX, RJ-45 connector (female) Hz64(1): 1205x1080 / 640x360 / 320x180, up to 30 fps Hz64(1): 1280x360 / 320x180, up to 30 fps Hz64(1): 1280x260 / 640x360 / 320x180, up to 30 fps Hz64(1): 1280x260 / 640x360 / 320x180, up to 30 fps Hz64(1): 1280x260 / 640x360 / 320x180, up to 30 fps Hz64(1): 1280x260 / 640x360 / 320x180, up to 30 fps Hz64(1): 1280x270 / 640x360 / 320x180, up to 30 fps Hz64(1): 1280x270 / 640x360 / 320x180, up to 30 fps JF66: 1280x180 / 640x360 / 320x180, up to 30 fps When using distribution of "Wall Panorama" or "Double panorama" Hz64(1): 1280x360 / 640x360 / 320x180, up to 15 fps When using distribution of "Quad PTZ" or "Single PTZ" Hz64(2): 1280x360 / 640x480 / 320x240, up to 15 fps JF66: 1280x460 / 640x480 / 320x240, up to 15 fps Ch1-Ch4 640x480 max. 30 fps "Only for Hz64 images. "There are specification limitations such as the SD memory card function bein unavailable. Hz64(1): 1280x360, up to 15 fps JF66: 204x180, up to 15 fps Constant bitrate / Best effort 1/3 / 5 / 7.5 1 / 10 / 12 / 15 / 20 / 30 fps 64 / 128 / 256 / 384 / 151 / 768 / 1,024 / 1,356 / 2,048 / 3,072 / 4,096 / 8,192 / 10,240 / 12,288 / 14,336 kbps LOW/ NORMAL / FINE 1 fps - 30 fps UNICAST / MULTICAST 10 steps 0.1 fps - 30 fps PULL / PUSH G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.756 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.756 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.756 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.756 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.756 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.756 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.756 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.756 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.756 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.756 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.756 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps G.756 (ADPCM) 32 kbps / 16 kbps, G.711	

TV Syster	n	NTSC	PAL	
Network	Face Detection	ON / OFF (with XML notification) ""3M Fisheye [4:3]", "1.3M Fisheye [4:3]", and "VGA Quad streams" modes cannot use the Face Detection function.		
	Cellular Phone Compatibility	JPEG image, AUX control (by access level)		
	Mobile Terminal Compatibility	iPad, iPhone, iPod touch (iOS 4.2.1 or later) Android™ mobile terminals		
Alarm	Alarm Source	VMD, Command alarm		
	Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, Indication on browser, FTP image transfer, Panasonic protocol output		
	Alarm Log	With SDXC/SDHC/SD memory card: 5,000 logs, without SDXC/SDHC/SD memory card: 1,000 logs		
	Schedule	VMD		
Input/	Microphone/Line Input	Internal microphone, ø3.5 mm monaural mini jack, Input impedance: Approx. 2 kΩ		
Output	For microphone input	Applicable microphone: Plug-in power type, Supply voltage: 2.5 V ±0.5 V		
	For line input	Input level: Approx10 dBV		
	Audio Output	ø3.5 mm stereo mini jack (monaural output), Output impedance: Approx.		
		600 Ω, Line level		
	External I/O Terminals	ALARM IN 1, ALARM IN 2/ ALARM OUT, ALARM IN 3/ AUX OUT (x1 for each)		
General	Mounting method	Ceiling/ Wall/ Desktop/ Tripod		
	Safety/EMC Standard	UL (UL60950-1), FCC (Part15 ClassA),	CE, IEC60950-1	
		C-UL (CAN/CSA C22.2 No.60950-1),	(EN55022 ClassB, EN55024)	
		DOC (ICES003 ClassA)		
	Power Source and Power	12V DC, PoE (IEEE802.3af compliant)		
	Consumption	12 V DC*: 540 mA/ 6.5 W		
		PoE 48 V: 125 mA/ 6.0 W (Class 2 devices)		
		* FOR UL LISTED MODEL(S), ONLY CONNECT 12 V DC		
		CLASS 2 POWER SUPPLY.		
	Ambient Operating Temperature	-10 °C to +50 °C {14 °F to 122 °F}		
	Ambient Operating Humidity	Less than 90 % (no condensation)		
	Dimensions	ø150 mm x 44 mm (H) {ø5-29/32 inches x 1-23/32 inches (H)}		
	Mass (approx.)	Main body: Approx. 370 g {0.82 lbs}		
		Camera attachment: Approx. 90 g {0.20 lbs}		
	Finish	Main body: ABS resin, sail white		

- 11 Converted value
 22 Refer to "Notes on Windows Vista® / Windows® 7" on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 7 or Microsoft® Windows Vista®.
 33 When using IPv6 for communication, use Microsoft® Windows® 7 or Microsoft® Windows Vista®.
 43 Transmission for 2 streams can be individually set in the same compression method.

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Important

- Safety Precaution: carefully read the operating instructions and installation manual before using this product.

 Panasonic can not be responsible for network performance and/or other manufacturer products that reside on the network.
- Masses and dimensions are approximate.
 Specifications are subject to change without notice.
- These products may be subject to export control regulations.
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