

Super Dynamic HD Weatherproof Network Camera WV-SPW311AL



*i-VMD Type2 : Intruder Detection / Loitering Detection / Direction Detection / Scene Change Detection / Object Detection / Cross Line Detection

HD / 1,280 x 720 60 fps H.264 Weatherproof Network Camera featuring Super Dynamic

Key Features

- 720p HD images up to 60 fps*1
- Approximate 1/3 inches, high sensitivity MOS image sensor
- Multiple H.264 (High profile) streams (max. 4 streams) and JPEG streams ensure simultaneous real time monitoring and high resolution recording.
- Maximum Screen Size is 1,920 x 1,080* @30 fps, H.264
 * Used by super resolution technology
- Enhanced Super Dynamic¹¹ and ABS (Adaptive Black Stretch) technologies deliver 133 dB wider dynamic range compared to conventional cameras.
- Smart coding Technology : Group of Pictures (GOP) control function removes unnecessary information from the frame for realizing efficient encoding. With the latest bitrate reducing technology, GOP control, 3D-MNR(Multi process Noise Reduction) and FDF(Frequency Divided Filter), the network bandwidth and the disk space of recorder can be saved.
- High sensitivity with Day/Night (ICR*) function : 0.02 lx (Color), 0.006 lx (B/W) at F1.6
 *ICR: IR Cut filter Removal
- IR LED equipped : The equipped infrared LED makes it possible to take pictures at zero lx.
- IR LED is controlled to match the environment, thereby the camera provides clear images of human faces without white blur.
- ABF (Auto Back Focus) ensures easy installation.
- Newly developed lens with aperture control function realizes the best focus in any environment.
- VIQS (Variable Image Quality on Specified area) technology allows the designated **eight areas** to retain higher image quality while the excluded area will have a decreased image quality, which enables to use lower image file size and bit rate.
- Cropping function enables to provide whole image and the part image simultaneously. Up to 4 image capture areas can be specified, and it is also possible to control the sequence.
- Face Super Dynamic technology ensures clear face image.
- Lens distortion compensation for the distorted images can be adjusted 256 steps.
- Electronic sensitivity enhancement : Auto (Up to 16/30s) / OFF
- Selectable light control modes : Outdoor scene,Indoor scene (50 Hz) / Indoor scene (60 Hz),Fix shutter Indoor scene (50 Hz/60 Hz) : Flicker caused by fluorescent lightning will be automatically compensated.
- 2x extra optical zoom at 640 x 360 resolution
- 2x, 4x digital zoom controlled by browser
- VMD (Video Motion Detection) 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.
- Camera title display : Up to 20 alphanumeric characters on the browser
- Alarm sources including 3 terminal input, VMD and Panasonic alarm command can trigger actions such as SDXC/SDHC/SD memory recording, FTP image transfer, E-mail notification, Indication on browser, Alarm terminal output, and Panasonic alarm protocol output.
- Full duplex bi-directional audio allows interactive communication between camera site and monitoring site.
- 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.
- SDXC/SDHC/SD Memory card slot for manual recording (H.264 / JPEG), alarm recording (H.264 / JPEG) and backup upon network failure (H.264 / JPEG). Realize long-term recording and auto backup function.
- Can be added new intelligent extension software in addition to built-in VMD (Video Motion Detection), alarm function.
- Fog compensation function equipped as standard.
- HLC (High Light Compensation) technology reduces strong light sources such as vehicle headlights to prevent camera being blinded.
- SCC (Super Chroma Compensation) function realizes a better color reproducibility even in low illumination.
- H.264 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.
- Internet mode : H.264 images can be transmitted over HTTP protocol.
- IPv4/IPv6 protocol supported
- Supports SSL, DDNS (viewnetcam, RFC2136)
- Still images (JPEG) can be viewed on mobile phones via Internet.
- IP66 rated water and dust resistant. Compatible with IEC60529 measurement standard, Type 4X(UL50), NEMA 4X compliant.
- Dehumidification device for use with various weather conditions

*1 Super Dynamic function is automatically set off on 60 fps mode.

Optional Accessory

Adaptor Box WV-Q120A



Specifications

Day/Night (ICR) Off / On / Auto 1 (Norma) / Auto 2 (R Light) / Auto 3 (SCC) Digital Noise Reduction High / Low Video Motion Detection 4 areas, Sensitivity: 15 steps, Detection size : 10 steps Privacy Zone Up to 8 zones Video Motion Detection ABF / MANUAL, Herm only Earnes Title (OSD) Up to 20 characters (alphanumeric characters, marks) Focus Adjustment ABF / MANUAL, Herm only Lens Batorion Compensation 26 steps Video Call Length 2.8 mm = 10 mm (1/8 inches = 13/32 inches) Anguar Field of View [16 : 9 model] Horizontal : 28 ' (TELE) = 102 ' (MIDE) Maximum Aperture Ratio 1.1 6 (MIDE) = 1 : 3.4 (TELE) Focus Angle Colling mounting Horizontal : 280 ' (TLI rotation part) Vertical : : 100' to 110' CrAW rotation part) Wall mounting Horizontal : 280' (TLI rotation part) Corpping Off / JECGI/ JAECGI / JAECGI / JAECGI / JAECG	Camera		longor	Approx, 1/3 type MOS image sensor
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Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error Supported OS '3 Microsoft® Windows® 8.1, Microsoft® Windows® 8.8, Microsoft® Windows® 13, Microsoft® Windows® Intermet Explore® 11 (32 bit), Windows® Intermet Explore® 8 (32 bit), Windows® Intermet Explore® 9 (32 bit), Windows® Intermet Explore® 9 (32 bit), Start, Google Chrome, Mozilla Firef Network IF 10Base-T / 100Base-TX, RJ45 connector Image Resolution •1.3 mega pixel [16: 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [16: 9] (30 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x •2 mega pixel [16: 9] (30 fps) 1.280 x 720 / 640 x 380 / 320 x 180 / 160 x 90 +1.264(1), H.264(2) 1.920 x 1,080 / 640 x 380 / 320 x 180 / 160 x 90 H.264(3), H.264(4) 64 / 128 / 256 / 344 / 512 / 788 / 1,024 / 1,3072 / 4,096 / 6,144 H.264 *4 Image Quality Image Quality (Constant bitrate / 228 / 11,336 / 1,048 / 24,576 / 30,727 / 40,967 / 16,144 *4 Image Quality Image Quality (Constant bitrate / Best effort) : (Constant bitrate / 228 / 11,387 / 24 / 158 / 78 / 10,24 /				I English Italian French German Spanish Portuguese Russian Chinese Jananese
Supported OS '3 Microsoft® Windows® 1, Microsoft® Windows® 8, Microsoft® Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firef 10Base-T / 100Base-TX, RJ45 connector Network IF 10Base-T / 100Base-TX, RJ45 connector 1280 x 20 / 640 x 360 / 320 x 180 / 160 x 90 +1.3 mega pixel [16 : 9] (30 fps) 1,280 x 20 / 640 x 360 / 320 x 180 / 160 x 90 +1.3 mega pixel [16 : 9] (30 fps mode) * Used by super resolution technol H.264(1), H.264(2) 1,300 / 640 x 360 / 320 x 180 / 160 x 90 +26 mega pixel [16 : 9] (30 fps mode) * Used by super resolution technol H.264(1), H.264(2) 1,300 x 180 / 160 x 90 +264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 H.264 H.264 H.264 Windows® 110 / 12 / 15 / 20 / 30 / 60 fps Bit Rate/Client 64 / 128 / 256 / 384 / 512 / 768 / 1024 / 1,358 / 2,048 / 3072 / 4,096 / 6,14 H.264 Hinage Quality Image Quality Image quality (Constant bit rate / Best effort) : Constant bitmetexel Image Quality In cast / Multicast Image Quality In tasts				
Microsoft® Windows® 7, Microsoft® Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firef 10Base-T/ 100Base-TX, RJ45 connector Network Image Resolution •13 mega pixel [16 : 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [16 : 9] (30 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [16 : 9] (30/60 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x •2 mega pixel [16 : 9] (30 fps) 1.280 x 100 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [16 : 9] (30 fps) 1.280 x 100 / 640 x 360 / 320 x 180 / 160 x 90 H 264(3), H.264(2) 1.920 x 1.080 / 640 x 360 / 320 x 180 / 160 x 90 H 264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 Transmission Mode Constant bitrate / VBR / Framerate priority / Best effort / Advanced V Frame Rate H.264 H mage Quality Constant the Best effort (2004 x 114 mestest effort) (2014 x 128 / 256 / 384 / 151 / 786 / 1024 / 1.586 / 2.048 / 30.72 / 4.096 / 6.144, 8.192 / 10.240 / 1.288 / 152 / 786 / 10.244 / 1.58 / 2.048 / 30.72 / 4.096 / 6.144 (3 mage Quality H mage Quality Constant the Best effort (2014 x 10 x 10 x 30 / 0.5 / 1 / 2 / 3 / 4 / 5s Transmission Type Unicast / Multicast H mage Quality Madio Compression Total Bit Rate 0.1 fps - 30 (ps (PEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type Pul / Push Audio Compression S.726 (ADPCNM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Total Bit Rate 0.1 fps - 30 (ps (PEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type Pul / Push Audio C				Up to 100 (Internal)
Supported Browser Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 6 (32 bit), Windows® Internet Explore® 7 (32 bit), Windows® Internet Explore® 7 (32 bit), Stafa, Google Chrome, Mozilla Firef Network IF 10Base-T / 100Base-TX, RJ45 connector Image Resolution •1.3 mega pixel [16: 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [16: 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [16: 9] (30 fps) 1,280 x 960 / 800 x 650 / 640 x 380 / 320 x 180 / 160 x 90 •1.3 mega pixel [16: 9] (30 fps) 1,280 x 960 / 800 x 650 / 640 x 380 / 320 x 180 / 160 x 90 •1.264(1), H.264(2) 1,920 x 1,080 / 640 x 380 / 320 x 180 / 160 x 90 •1.264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 Frame Rate 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 14 Bit Rate/Client 64 / 128 / 256 / 344 / 512 / 768 / 1,024 / 1,336 / 2,048 / 3,072 / 4,096 / 6,144 4 Image Quality Image quality (Constant bitrate / Best effort) : (Constant bitrate/Stafe / 1 / 28 / 256 / 344 / 512 / 768 / 1,024 / 1,356 / 2,048 / 24,756 / 30,720 / 40,960 / 1768 / 1,024 / 1,356 / 2,048 / 24,756 / 30,720 / 40,960 / 176 4 Image Quality Image quality (Dostant bitrate / Best effort) : (Constant bitrate/ 20 / 20 / 2.5 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 55		System	Log	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log
Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Stafar, Google Chrome, Mozilla Firef Network Network IF 10Base-T / 10Base-T/- 10		System	Log	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8,
Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firef 10Base-T / 100Base-TX, RJ45 connector Image Resolution 113 mega pixel [16: 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [16: 9] (30/60 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x •12 mega pixel [16: 9] (30/60 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x •2 mega pixel [16: 9] (30/60 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x •2 mega pixel [16: 9] (30/60 fps) 1.280 x 10.00 / 640 x 360 / 320 x 180 / 160 x 90 H 264(1), H.264(2) 1.920 x 1.080 / 640 x 360 / 320 x 180 / 160 x 90 H 264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 Image Quality Transmission Mode Constant bitrate / VBR / Framerate priority / Best effort / Advanced V Frame Rate H.264 H.264 If Rate/Client 64 / 128 / 256 / 384 / 151 / 768 / 1024 / 1.536 / 2.048 / 3.072 / 4.096 / 6.144 8.192 / 10.240 / 12.288 / 14.336 / 16.384 / 20.480 / 24.576 / 30.720 / 40.960 / Ent Rate/Client Bit Rate/Client 64 / 128 / 256 / 334 / 151 / 768 / 1024 / 1.086 / 20.480 / 24.576 / 30.720 / 40.960 / Ent Rate/Set #01 Uncast / Multicast Image Quality Image Quality Image Quality (Constant bit rate / Best effort) : Constant theBest #01 Uncast / Multicast Image Quality 0 steps Image Quality I Image Quality (D steps) JPEG Refresh interval 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type Audio Compression G.7.26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / M		System Suppor	ted OS *3	Up to 100 (Internal) Up to 4,000 (SDXC/SD) (CSD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows Vista®
Network IF 10Base-T / 100Base-TX, RJ45 connector Image Resolution •1.3 mega pixel [16: 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [16: 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [16: 9] (30 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x •2 mega pixel [16: 9] (30 fps mode) 1.280 x 108 / 640 x 360 / 320 x 180 / 160 x 90 H.264(1), H.264(2) 1.920 x 108 / 640 x 360 / 320 x 180 / 160 x 90 H.264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 Frame Rate 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Bit Rate/Client 64 / 128 / 256 / 384 / 512 / 768 / 1.024 / 1.368 / 2.048 / 3.072 / 4.096 / 6.144 H.264 .8192 / 10.240 / 1.228 / 1.438 / 1.638 / 2.048 / 3.072 / 4.096 / 6.144 H.264 .8192 / 10.240 / 1.228 / 1.438 / 1.584 / 2.048 / 3.072 / 4.096 / 6.144 H.264 .8192 / 10.240 / 1.228 / 1.438 / 1.584 / 2.048 / 3.072 / 4.096 / 6.144 H.264 .8192 / 10.240 / 1.228 / 1.438 / 1.584 / 2.048 / 3.072 / 4.096 / 6.144 H.264 .8192 / 10.240 / 1.288 / 1.2		System Suppor	ted OS *3	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC2D memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit),
Image Resolution •1.3 mega pixel [16 : 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [4 : 3] (30 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [4 : 3] (30 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x •2 mega pixel [16 : 9](30 fps mode) ⁻ Used by super resolution technol H.264(1), H.264(2) 1.920 x 1,080 / 640 x 360 / 320 x 180 / 160 x 90 Transmission Mode Constant bitrate / VBR / Framerate priority / Best effort / Advanced V Frame Rate Bit Rate/Cline 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Bit Rate/Cline Unage Quality Image quality (Constant bit rate / Dest effort / Advanced V Frame Rate 1 / 128 / 250 / 384 / 512 / 768 / 1024 / 1538 / 2,044 / 3,072 / 4,096 / 6,144 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 / 1 Image Quality Image Quality Image quality (Constant bit rate / Best effort) Image Quality In ges quality (Constant bit rate / Best effort) Image Quality 10 steps JPEG Refresh interval 0.1 ps -30 fps (JPEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authentication for Audio Evel 1 only / Level 2 higher / All users		System Suppor	ted OS *3	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 18, Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit),
1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1,280 x 60 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 2 rega pixel [16 : 9](30 fps mode) * Used by super resolution technol H.264(1), H.264(2) 1,280 x 10,800 / 640 x 380 / 320 x 180 / 160 x 90 H.264(3), H.264(4) 640 x 380 / 320 x 180 / 160 x 90 Frame Rate 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Bit Rate/Client 64 / 128 / 256 / 384 / 512 / 768 / 10,24 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 / 5,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 / 5,144 / Range Quality '4 Image Quality Image quality (Constant bit rate / Best effort) : Constant bit rate / Best effort / Auditicast JPEG Image Quality 10 steps Transmission Type Uniticast / Multicast Transmission Type Pul / Push Audio Compression G.7 26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interact		System Suppor Suppor	Log ted OS *3 ted Browser	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 104 Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox
•1.3 mega pixel [4 : 3] (30 fps) 1.280 x 860 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x •2 mega pixel [5: 9](30 fps mode) * Used by super resolution technol H.264(1), H.264(2) 1.920 x 180 / 160 x 360 / 320 x 180 / 160 x 90 H.264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 H.264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 Frame Rate 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Bit Rate/Client 64 / 128 / 256 / 384 / 510 / 708 / 1,024 / 1,336 / 2,048 / 30,727 / 4,096 / 6,14 H.264 mage Quality Image quality (Constant bitrate / VBR / Framerate priority / Best effort / Advanced V *4 Image Quality Image quality (Constant bit rate / Best effort) : (Constant bitrate/ VBR / Framerate priority / 42,576 / 30,720 / 40,960 / 14,92 / 10,240 / 1,228 / 14,336 / 1,540 / 24,96 / 13,72 / 40,960 / 14,92 / 10,240 / 1,228 / 14,336 / 2,440 / 10,96 / 16,142 / 14,96 / 16,142 / 15 / 15 / 16 / 15 / 15 / 16 / 15 / 15		System Suppor Suppor	ted OS *3 ted Browser	Up to 100 (Internal) Up to 400 (BXXC)SDHC2D memory when the recording format is set to JPEG) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 18 Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector
1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x *2 mega pixel [16:9](30 fps mode) *4 *** *		System Suppor Suppor	ted OS *3 ted Browser	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector +1.3 mega pixel [16: 9] (30/60 (ps)
•2 mega pixel [16:9](30 fps mode) * Used by super resolution technol H.264(1), H.264(2) 1,920 x 1,080 / 640 x 360 / 320 x 180 / 160 x 90 H.264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 Transmission Mode Constant bitrate / VBR / Framerate priority / Best effort / Advanced V Frame Rate 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Bit Rate/Client 64 / 128 / 256 / 384 / 512 / 768 / 1024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 H.264 Bit Rate/Client 64 / 128 / 256 / 384 / 512 / 768 / 1024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 H.264 Bit Rate/Client 64 / 12,288 / 14,236 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 / 1 *4 Image Quality Image quality (Constant bit rate / Best effort) : Constraint Best effort Vew/Motion priority / Inemage quality priority) Refresh interval 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Transmission Type Unicast / Multicast JPEG Befresh interval 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type JOE Compression G.7.26 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, Ca24 / 4.096 / 8,192 kbps / Unlin Total Bit Rate 64 /		System Suppor Suppor	ted OS *3 ted Browser	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector +1.3 mega pixel [16: 9] (30/60 (ps)
H 264(1), H 264(2) 1,920 x 1,080 / 640 x 360 / 320 x 180 / 160 x 90 H 264(3), H 264(4) 640 x 360 / 320 x 180 / 160 x 90 Frame Rate 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Bit Rate/Client 641 / 128 / 256 / 384 / 512 / 768 / 1.024 / 1.536 / 2.048 / 3.072 / 4.096 / 6.144 H .264 H .264 Image Quality Image Quality Image Quality Image Quality Image Quality Image Quality Refresh interval 0.1 (2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Transmission Type Unicast / Multicast Image Quality 10 steps JPEG Refresh interval 0.1 (ps - 30 (ps / 156 / 376 / 1.024 / 1.356 / 2.046 / 3.072 / 4.096 / 6.142 / 1.024 / 1.356 / 2.046 / 3.072 / 4.096 / 6.142 / 1.024 / 1.016 / 1.016 / 1.016 / 1.016 / 1.016 / 1.016 / 1.016 / 1.024 / 1.016 / 1.016 / 1.016 / 1.016 / 1.016 / 1.024 / 1.016 / 1.016 / 0.017 / 1.016 / 1.016 / 1.016 / 1.024 / 1.016 / 1.016 / 1.016 / 1.016 / 1.016 / 1.024 / 1.016 / 1.016 / 1.016 / 1.016 / 1.016 / 1.024 / 1.016 / 1.		System Suppor Suppor	ted OS *3 ted Browser	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 10, 32 bit, Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (22 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 10DBase-TX, RJ45 connector •1.3 mega pixel 116: 91 (30/60 fbs) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90
1,920 x1,080 / 640 x 360 / 320 x 180 / 160 x 90 H 264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 Frame Rate 1 / 3 / 5 / 10 / 12 / 20 x 180 / 160 x 90 Frame Rate 1 / 3 / 5 / 10 / 12 / 15 / 20 / 30 / 06 fps Bit Rate/Client 64 / 128 / 256 / 384 / 512 / 768 / 1.024 / 1.536 / 2.048 / 3.072 / 4.096 / 6.144. H.264 Hage Quality Image quality Constant bit rate / Best effort) Image Quality Image quality Constant bit rate / Best effort) (constant trate/Besteff) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Transmission Type Unicast / Multicast Image Quality 10 steps JPEG Refresh interval 0.1 (5s .076 / 38 / 512 / 768 / 1.024 / 1.026 / 1.024 / 1.026 / 1.024 / 1.026 / 3.02 / 3		System Suppor Suppor	ted OS *3 ted Browser	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 148 Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector *1.3 mega pixel [16 : 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 *1.3 mega pixel [4 : 3] (30 fps)
1,920 x1,080 / 640 x 360 / 320 x 180 / 160 x 90 H 264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 Frame Rate 1 / 3 / 5 / 10 / 12 / 20 x 180 / 160 x 90 Frame Rate 1 / 3 / 5 / 10 / 12 / 15 / 20 / 30 / 06 fps Bit Rate/Client 64 / 128 / 256 / 384 / 512 / 768 / 1.024 / 1.536 / 2.048 / 3.072 / 4.096 / 6.144. H.264 Hage Quality Image quality Constant bit rate / Best effort) Image Quality Image quality Constant bit rate / Best effort) (constant trate/Besteff) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Transmission Type Unicast / Multicast Image Quality 10 steps JPEG Refresh interval 0.1 (5s .076 / 38 / 512 / 768 / 1.024 / 1.026 / 1.024 / 1.026 / 1.024 / 1.026 / 3.02 / 3		System Suppor Suppor	ted OS *3 ted Browser	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 1sta® Windows® Internet Explorer® 1 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector •1.3 mega pixel [16: 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [4: 3] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120
H264(3), H264(4) 640 x 360 / 320 x 180 / 160 x 90 Transmission Mode Constant bitrate / VBR / Framerate priority / Best effort / Advanced V Frame Rate 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Bit Rate/Client 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144, 8,192 / 10,240 / 12,288 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 / (20stant bit rate Best effort) : '4 Image Quality (constant bitrate Best effort) / Low(Motion priority) / Normal/ Fine (Image quality priority) Refresh interval 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Transmission Type Unicast / Multicast Image Quality 0.3 fps - 30 (ps (JPEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type JPEG Image Quality 0.1 fps - 30 (ps (JPEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type JPEG Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authentication for Audio Level 1 only / Level 2 higher / All users Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1024 / 2,048 / 4096 / 8,192 kbps / Unlint Supported Protocol IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTP, RTP, RTP, RTP, RTP, PT, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP FTP Client Alarm image transmission, FTP periodic transmission (Man the FTP transmission fa backup on		System Suppor Suppor	ted OS *3 ted Browser	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® B. 1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows Vista® Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector *1.3 mega pixel [16 : 9] (30 (50 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 *1.3 mega pixel [16 : 3] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 *2 mega pixel [16 : 9] (30 fps mode) * Used by super resolution technology
640 x 360 / 320 x 180 / 160 x 90 Framerates priority / Best effort / Advanced V Frame Rate 1 / 3 / 5 / 7 , 5 / 10 / 12 / 15 / 20 / 30 / 60 fps Bit Rate/Client 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144, 8,192 / 10,240 / 12.288 / 14,336 / 15,384 / 20,480 / 24,576 / 30,720 / 40,960 / 1 '4 Image Quality Image quality (constant bit rate/Best effort) : Low(Motion priority) / Normal/ Fine (Image quality priority) Refresh interval 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Transmission Type Unicast / Multicast Image Quality 10 steps JPEG Refresh interval 0.15 ps. 30 (sp. (JPEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type Transmission Type 0.1 / Push Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authernitication for Audio Supported Protocol IPA : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmission fa backup on an englonal SDXCKSDHC/SD memory card is available)		System Suppor Suppor	ted OS *3 ted Browser	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 16, Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 10DBase-Tx, Ru45 connector •1.3 mega pixel [16: 9] (30/60 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 •2 mega pixel [16: 9] (30 fps mode) * Used by super resolution technology H.264(1), H.264(2)
Image Quality Image Qu		System Suppor Suppor	ted OS *3 ted Browser	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® B.1, Microsoft® Windows® 8, Microsoft® Windows® T, Microsoft® Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector •1.3 mega pixel [16: 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [4: 3] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 •2 mega pixel [16: 9](30 fps mode) * Used by super resolution technology H.264(1), H.264(2) 1,920 x 1,060 / 640 x 360 / 320 x 180 / 160 x 90
Frame Rate 1/3/5/7.5/10/12/15/20/30/60 fps H 264 Bit Rate/Client 64/128/256/384/512/768/1,024/1,536/2,048/3,072/4,096/6,144, 8,192/10,240/12,288/14,336/1,584/20,480/24,576/30,7207/40,960/ *4 Image Quality Image quality (Constant bit rate / Best effort) : Constant bit rate Best effort) *4 Image Quality Image quality (Constant bit rate / Best effort) : Constant bit rate Best effort) *4 Image Quality Low(Motion priority) / Normal/ Fine (Image quality priority) Refresh interval 0.2 / 0.25 / 0.33 / 0.5 / 1/2 / 3 / 4 / 5s Transmission Type Unicast / Multicast Image Quality 0.1 fps - 30 (ps (JPEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authentication for Audio Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1024 / 208 / 4096 / 8,192 kbps / Unlin Supported Protocol IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTP, RTP, RTP, RTP, SNNP, DNS, NTP, SNMP, DHCPv6, NLD, (CMP, AAP FTP Client Alarm image transmission, FTP periodic transmission (Mhe the FTP tra		System Suppor Suppor	ted OS *3 ted Browser	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® B. 1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 8, Microsoft® Windows® 1, Microsoft® Windows® 10, 32 bit), Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector 1.3 mega pixel [16 : 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1.3 mega pixel [16 : 3] (30 fps) 1,280 x 960 / 800 x 600 / 460 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2 mega pixel [16 : 9] (30 fps mode) ⁻¹ Used by super resolution technology H.264(1), H.264(2) 1,920 x 1,080 / 640 x 360 / 320 x 180 / 160 x 90 H.264(4), H.264(4)
Bit Rate/Client 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 , 8,192 / 10,240 / 12,288 / 14,336 / 15,384 / 20,480 / 24,576 / 30,720 / 40,960 / 1 '4 Image Quality Image quality (constant bit rate / Best effort) : Low(Motion priority) / Normal/ Fine (Image quality priority) Refresh interval 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Transmission Type Unicast / Multicast JPEG Refresh interval 0.1 5p: 30 fsp (JPEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type JPEG Refresh interval 0.1 fp: 30 fsp (JPEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authernitication for Audio Supported Protocol IPV6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmissions fa backup on an optional SDXCSDHC/SD memory card is available)		System Suppor Suppor	ted OS ³³ ted Browser	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 1 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100 Base-Tx, Bu45 connector •1.3 mega pixel [16 : 9] (30/60 fps) 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 •2 mega pixel [16 : 9] (30 fps mode) * Used by super resolution technology H.264(1), H.264(2) 1,920 × 1,080 / 640 × 360 / 320 × 180 / 160 × 90 H.264(3), H.264(2) 1,920 × 1,080 / 640 × 360 / 320 × 180 / 160 × 90 H.264(3), H.264(2)
H.264 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 ' 1 '4 Image Quality Image quality (Constant bit rate / Best effort) : (constant bit rate/Best effort). (Constant bit rate/Best effort) W(Motion priority) / Normal/ Fine (Image quality priority) Refersh interval 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Transmission Type Unicast / Multicast Image Quality 10 steps JPEG Refersh interval 0.1 (ps - 30 (ps (JPEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authentication for Audio Supported Protocol IPV6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmission fa backup on an optional SDXCSDHC/SD memory card is available)		System Suppor Suppor	ted OS ⁻³ ted Browser (IF Tesolution	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® B.1, Microsoft® Windows® 8, Microsoft® Windows® T, Microsoft® Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector 1.3 mega pixel [16: 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1.3 mega pixel [4: 3] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2 mega pixel [16: 9] (30 fps) 1,280 x 1080 / 640 x 360 / 320 x 180 / 160 x 90 H.264(1), H.264(2) 1,920 x 1,080 / 640 x 360 / 320 x 180 / 160 x 90 H.264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR
Audio Image Quality (constant bit rate / Best effort) : (constant bit rate / Best effort) : (const effort)		System Suppor Suppor	ted OS *3 ted Browser IF Resolution	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® B.1, Microsoft® Windows® 8, Microsoft® Windows® T, Microsoft® Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector 1.3 mega pixel [16: 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1.3 mega pixel [4: 3] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2 mega pixel [16: 9] (30 fps) 1,280 x 1080 / 640 x 360 / 320 x 180 / 160 x 90 H.264(1), H.264(2) 1,920 x 1,080 / 640 x 360 / 320 x 180 / 160 x 90 H.264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR
Constant bit rate/Besteffort) Low(Motion priority) / Normal/ Fine (Image quality priority) Refresh interval 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Transmission Type Inicast / Multicast Image Quality 10 steps JPEG Refresh interval Transmission Type 0.1 (ps. 30 (ps. (JPEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authentication for Audio Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlin Supported Protocol IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmissionis fa backup on an optional SDXCRDHCSD memory card is available)		System Suppor Suppor	ted OS *3 ted Browser IF Resolution	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 1 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector *1.3 mega pixel [16 : 9] (30/60 fps) 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 *2 mega pixel [16 : 9] (30 fps) 1,264(1), H.264(2) 1,920 × 1,080 / 640 × 360 / 320 × 180 / 160 × 90 H.264(4), H.264(2) Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 / 3.0 / 3.0 / 2.0 / 4.0 / 4.4 / 3.0 / 3.0 / 2.0 / 4.4 / 4.4 / 3.0 / 6.1 / 4.4 / 3.0 / 3.0 / 6.1 / 4.4 / 3.0 / 6.0 / 4.4 / 3.0 / 3.0 / 3.0 / 3.0 / 3.0 / 6.1 / 4.4 / 3.0 / 7.5 / 7.5 / 10 / 12 / 15 / 2.0 / 30 / 6.0 / 3.0 / 3.0 / 3.0 / 3.0 / 4.0 / 4.4 / 3.0 / 7.4 / 4.5 / 4.0 / 4.0 / 3.0 / 3.0 / 6.1 / 4.4 / 3.0 / 7.5 / 7.5 / 10 / 12 / 15 / 2.0 / 30 / 6.0 / 3.0 / 3.0 / 7.4 / 3.0 / 6.1 / 4.4 / 3.0 / 7.5 / 7.5 / 10 / 12 / 15 / 7.6 / 1.0 / 2.0 / 4.0 / 3.0 / 2.0 / 4.0 / 3.0 / 6.1 / 4.4 / 3.0 / 4.5 / 3.0 / 4.5 / 3.0 / 6.1 / 4.4 / 3.0 / 4.5 / 3.0 / 4.5 / 3.0 / 4.5 / 3.0 / 4.5 / 3.0 / 4.5 / 3.0 / 4.5 / 3.0 / 4.5 / 3.0 / 4.5 / 3.0 / 4.5 / 3.0 / 4.5 / 3.0 / 4.5 / 3.0 / 4.5 / 3.0 / 4.5 / 3.5 / 7.5 / 10.0 / 2.1 / 7.5 / 10.2 / 1.5 / 2.0 / 3.0 / 6.0 / 3.0 / 4.1 / 2.1 / 5.5 / 3.4 / 13.0 / 7.5 / 3.5 / 10.5 / 1.2 / 15 / 7.5 / 1.0 / 12 / 15 / 7.5 / 1.0 / 12 / 15 / 7.5 / 1.0 / 12 / 15 / 7.5 / 1.0 / 12 / 15 / 7.5 / 1.0 / 12 / 15 / 7.5 / 1.0 / 12 / 15 / 7.5 / 1.0 / 12 / 15 / 7.5 / 1.0 / 12 / 15 / 7.5 / 1.0 / 12 / 15 / 7.5 / 1.0 / 12 / 15 / 1.0 / 12 / 15 / 2.0 / 3.0 / 6.0 / 1.5 / 1.0 / 12 / 15 / 7.5 / 1.0 / 12 / 15 / 1.0 / 1.0 / 1.0 / 2.0 / 3.5
Refresh interval 0.2/0.25/0.33/0.5/1/2/3/4/5s Transmission Type Unicast / Multicast Image Quality 10 steps JPEG Refresh interval Transmission Type Pul / Push Audio Compression G.726 (ADPCN) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authentication for Audio Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1024 / 2.048 / 4.096 / 8,192 kbps / Unlin Supported Protocol IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP FTP Client Alarm image transmission, FTP periodic transmission (Mhen the FTP transmissionis fa backup on an optional SDXC/SDHC/SD memory card is available.)		System Suppor Suppor Network Image F	ted OS ⁻³ ted Browser (IF Resolution Transmission Mode Frame Rate Bit Rate/Client	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® B.1, Microsoft® Windows® 8, Microsoft® Windows® T, Microsoft® Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector 1.3 mega pixel [16: 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1.3 mega pixel [16: 3] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2 mega pixel [16: 9] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2 mega pixel [16: 9] (30 fps) 1,280 x 360 / 320 x 180 / 160 x 90 1 ,264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1024 / 1,336 / 63,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 / when the second sec
Transmission Type Unicast / Multicast Image Quality 10 steps JPEG Refresh interval 0.1 fps. 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H264 im. G Refresh interval 0.1 fps. 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H264 im. Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) / Interactive (Full duplex) Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1024 / 2,048 / 4,096 / 8,192 kbps / Unlin Supported Protocol IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTP, MTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmission fa backup on an optional SDXCSDHC/SD memory card is evaliable)		System Suppor Suppor Network Image F	ted OS *3 ted Browser (IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® B. 1, Microsoft® Windows® 8, Microsoft® Windows® T, Microsoft® Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base T / 100Base TX, RJ45 connector •1.3 mega pixel [16 : 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [16 : 9] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 •2 mega pixel [16 : 9] (30 fps) mode) * Used by super resolution technology H,264(1), H,264(2) 1,320 x 1080 / 640 x 360 / 320 x 180 / 160 x 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 1512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 * kbps Image quality (Constant bit rate / Best effort) :
Image Quality 10 steps JPEG Refresh interval 0.1 fps - 30 tps (JPEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authentication for Audio Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlin Supported Protocol SVMP, DHCPvs, MLD, ICMP, ARP, FTP, SMTP, DNS, NTP, SVMP, DHCPvs, MLD, ICMP, ARP, FTP, STSP, RTP, RTP, RTP, RTP, RTP, RTP, FTP, SM DHCP, DNS, DDNS, NTP, SNMP, UPP, IGMP, ARP FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmissionis fa backup on an optional SDXCSDHC/SD memory card is available)		System Suppor Suppor Network Image F	ted OS ¹³ ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constant bit nabeset effort)	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 18, Windows® Internet Explorer® 1 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, BJ45 connector •1.3 mega pixel [16 : 9] (30/60 fps) 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 +1.3 mega pixel [16 : 9] (30 fps) 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 •2 mega pixel [16 : 9] (30 fps) 1,280 × 100 / 640 × 360 / 320 × 180 / 160 × 90 H.264(1), H.264(2) 1,920 × 1,080 / 640 × 360 / 320 × 180 / 160 × 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Gonstant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Gonstant bitrate / VBR / Framerate Pionity / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Gonstant bitrate / VBR / Framerate Pionity / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 / 50 Image quality (Constant bit rate / Best effort): Low(Motion priority / Normal/ Fine (Image quality priority)
JPEG Refersh interval 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H264 im Transmission Type Pull / Pulsh Audio Compression G.726 (ADPC0N) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authentication for Audio Total Bit Rate 64 / 128 / 256 / 384 / 512 / 786 / 1024 / 2,046 / 4,096 / 8,192 kbps / Unlin Supported Protocol IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SM DHCP, DNS, DDNS, NTP, SNMP, UP-P, IGMP, ARI ETP Client Alarm image transmission, FTP periodic transmission (When the FTP transmissionis fa backup on an optional SDXC/SDHC/SD memory card is available)		System Suppor Suppor Network Image F	ted OS ¹³ ted Browser (IF Resolution Frame Rate Bit Rate/Client Image Quality (Constant bit rate/Best effort) Refresh Interval	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector 1.3 mega pixel [16 : 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1.3 mega pixel [16 : 9] (30 / 65) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2 mega pixel [16 : 9] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2 mega pixel [16 : 9] (30 fps) 1,280 x 360 / 320 x 180 / 160 x 90 1.260 x 360 / 320 x 180 / 160 x 90 H.264(1), H.264(2) 1,920 x 1,080 / 640 x 360 / 320 x 180 / 160 x 90 H.264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,336 / 6,347 / 0,080 / 6,144 / 8,182 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 ' kbpc Image quality (Constant bit rate / Best effort): Low(Motion priority) / Normal / Fine (Image quality priority) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s
Transmission Type Pull / Push Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / Mic (Line) iput / Audio output / Interactive (Half duplex) / Interactive (Full du Authentication for Audio Level 1 only / Level 2 higher / All users Evel 1 only / Level 2 higher / All users Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlin Supported Protocol IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP FTP Client Alarm image transmission, FTP period transmission (When the FTP transmission is fa backup on an optional SDXC/SDHC/SD memory card is available)		System Suppor Suppor Network Image F	ted OS ¹³ ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constant bit rate/Best effort) Refresh interval	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 16, Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 10DBase-Tx, Ru45 connector •1.3 mega pixel [16 : 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [16 : 9] (30 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 •2 mega pixel [16 : 9] (30 fps) Mi264(I), Hi264(2) 400 x 360 / 320 x 180 / 160 x 90 Hi264(3), Hi264(4) 640 x 360 / 320 x 180 / 160 x 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1.3 / 5 / 7 5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 266 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 / 8,
Audio Compression G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authentication for Audio Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authentication for Audio Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlin Supported Protocol IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCVeS, MLD, ICMP, ARP FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmission is fa backup on an optional SDXC/SDHC/SD memory card is available)		System Suppor Suppor Network Image F H.264 '4	Log ted OS '3 ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constant bit rataBest effort) Refresh interval Transmission Type Image Quality	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® B.1, Microsoft® Windows® 8, Microsoft® Windows® T, Microsoft® Windows® 10 (32 bit), Windows® Internet Explorer® 1 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector •1.3 mega pixel [16: 9] (30/60 fps) 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 +1.3 mega pixel [16: 9] (30/60 fps) 1,280 × 860 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 •2 mega pixel [16: 9] (30 fps mode) * Used by super resolution technology H.264(1), H.264(2) 1,920 × 1,080 / 640 × 360 / 320 × 180 / 160 × 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Image quality (Constant bit rate / Best effort): Low(Motion priority) / Normal / Fine (Image quality priority) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps
Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authentication for Audio Total Bit Rate 64 / 128 / 256 / 384 / 512 / 786 / 1,024 / 2,046 / 4,096 / 8,192 kbps / Unlin Supported Protocol IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SM DHCP, DNS, DDNS, NTP, SNMP, UPP, IGMP, ARP FTP Client Alarm image transmission, FTP periodic transmission (Mhen the FTP transmissionis fa backup on an optional SDXC/SDHC/SD memory card is available)		System Suppor Suppor Network Image F H.264 '4	ted OS ^{*3} ted Browser (IF Resolution Frame Rate Bit Rate/Client Image Quality (Constant bit rate/Best effort) Refresh interval Transmission Type Image Quality Refresh interval	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® B.1, Microsoft® Windows® 8, Microsoft® Windows® T, Microsoft® Windows® 18, Windows® Internet Explorer® 1 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector 1.3 mega pixel [16: 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1.3 mega pixel [4: 3] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2 mega pixel [4: 3] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2 mega pixel [16: 9] (30 fps) 1,280 x 360 / 320 x 180 / 160 x 90 1. 264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 H.264(1), H.264(2) 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 266 / 384 / 512 / 768 / 10,24 / 1,336 / 6,347 / 4,096 / 6,144 / 8,192 / 10,240 / 12.288 / 14,336 / 15,384 / 20,440 / 24,576 / 30,720 / 40,960 ' kbpc Image quality (Constant bit rate / Best effort): Low(Motion priority) / Normal / Fine (Image quality priority) 0. 2 / 0. 25 / 0. 33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0. fps - 30 ts (JFEG frame rate will be restricted when displaying both JPEG and H264 images.
Audio Mode Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full du Authentication for Audio Total Bit Rate 64 / 128 / 256 / 384 / 512 / 786 / 1,024 / 2,046 / 4,096 / 8,192 kbps / Unlin Supported Protocol IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SM DHCP, DNS, DDNS, NTP, SNMP, UPP, IGMP, ARP FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmissionis fa backup on an optional SDXC/SDHC/SD memory card is available)		System Suppor Suppor Image F H.264 '4	Log ted OS ^{r3} ted Browser IF Resolution Frame Rate Bit Rate/Client Image Quality (Constant bit rate/Best effort) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 7. Microsoft® Windows® 8, Microsoft® Windows® 7. Microsoft® Windows® 16, Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 7 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 10DBase-TX, RU45 connector •1.3 mega pixel [16 : 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 *1.3 mega pixel [14 : 3] (30 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 *2 mega pixel [16 : 9] (30 fps) 1.280 x 1080 / 640 x 360 / 320 x 180 / 160 x 90 H.264(I), H.264(2) 400 x 360 / 320 x 180 / 160 x 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7 5 / 10 / 12 / 158 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,362 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,363 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,363 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,365 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,365 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,280 / 14,58 / 0,0480 / 14,58 / 0,0480 / 14,58 / 0,0480 / 14,58 / 0,0480 / 14,58 / 0,0480 / 14,58 / 0,0480 / 14,58 /
Authentication for Audio Level 1 only / Level 2 higher / All users Total Bit Rate 64/128/256/384/512/768/1,024/2,048/4,096/8,192 kbps / Unlin Supported Protocol IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SM DHCP0, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARI DHCP0, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARI Alarm image transmission, FTP periodic transmission (When the FTP transmission is fa backup on an optional SDXC/SDHC/SD memory card is available.)		System Suppor Suppor Image F H.264 '4	Log ted OS ^{r3} ted Browser IF Resolution Frame Rate Bit Rate/Client Image Quality (Constant bit rate/Best effort) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 7. Microsoft® Windows® 8, Microsoft® Windows® 7. Microsoft® Windows® 16, Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 7 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 10DBase-TX, RU45 connector •1.3 mega pixel [16 : 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 *1.3 mega pixel [14 : 3] (30 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 *2 mega pixel [16 : 9] (30 fps) 1.280 x 1080 / 640 x 360 / 320 x 180 / 160 x 90 H.264(I), H.264(2) 400 x 360 / 320 x 180 / 160 x 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7 5 / 10 / 12 / 158 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,362 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,363 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,363 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,365 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,365 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,356 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,280 / 14,58 / 0,0480 / 14,58 / 0,0480 / 14,58 / 0,0480 / 14,58 / 0,0480 / 14,58 / 0,0480 / 14,58 / 0,0480 / 14,58 /
Total Bit Rate 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlin Supported Protocol IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SM DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ARI FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmissionis fa backup on an optional SDXC/SDHC/SD memory card is available)		System Suppor Suppor Network Image F H.264 '4	Log ted OS '3 ted Browser (IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (constant bit nab@sst effort) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Omgression	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 10 (32 bit), Windows® Internet Explorer® 1 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector •1.3 mega pixel [16: 9] (30/60 fps) 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 +1.3 mega pixel [16: 9] (30/60 fps) 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 •2 mega pixel [16: 9] (30 fps mode) * Used by super resolution technology H.264(1), H.264(2) 1,920 × 1,080 / 640 × 360 / 320 × 180 / 160 × 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Ingge quality (Constant bit rate / Best effort): Low(Motion priority) / Normal / Fine (Image quality priority) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 (bs - 30 fps) (JPEG frame rate will be restricted when displaying both JPEG and H284 images Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC
Supported Protocol IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SM DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARI FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmissionis fa backup on an optional SDXC/SDHC/SD memory card is available)		System Suppor Suppor Network Image F H.264 '4 JPEG Audio C Audio C	Log ted OS ^{*3} ted Browser (IF Resolution Frame Rate Bit Rate/Client Image Quality (Constant bit rate/Best effor) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acde	Up to 100 (Internal) Up to 4,000 (SDX/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 118ternet Explore® 10 (32 bit), Windows® Internet Explore® 9 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector •1.3 mega pixel [16 : 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 •1.3 mega pixel [16 : 9] (30 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 •2 mega pixel [16 : 9] (30 fps mode) * Used by super resolution technology H,264(1), H,264(2) 1,920 x 1,080 / 640 x 380 / 320 x 180 / 160 x 90 H,264(3), H,264(4) 640 x 360 / 320 x 180 / 160 x 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 13,36 / 15,384 / 20,480 / 24,576 / 30,720 / 40,960 * kbps Image quality (Constant bit rate / Best effort) : Low(Motion priority) / Normal / Fine (Image quality priority) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fs (JFEG frame rate will be restricted when displaying both JPEG and H264 images. Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off // Mic (Line) input / Audio output / Interactive (Half duplex / Interactive (Full duplex / Interactive (Full duplex / Interactive (Full duplex / Interactive Full duplex / Interactive (Full duplex / Interactive Full duplex / In
SNMP, DHCPv6, MLD, ICMP, ARP IPv4 : TCP/IP, UDP/IP, HTTP, RTP, RTP, RTP, RTP, RTP, RTP, RTP,		System Suppor Suppor Image F H.264 '4 JPEG Audio D Audio D	Log ted OS '3 ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constant bit rate/Best effort) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Acide Licetation for Audio	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 7. Microsoft® Windows® 8. Microsoft® Windows® 7. Microsoft® Windows® 18. Windows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 1 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 10DBase-TX, RJ45 connector •1.3 mega pixel [16 : 9] (30/60 fps) 1.280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 +1.3 mega pixel [16 : 9] (30 fps) 1.280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 •2 mega pixel [16 : 9] (30 fps) 1.280 × 1080 / 640 × 360 / 320 × 180 / 160 × 90 H.264(I), H.264(2) 1.262 × 1.080 / 640 × 360 / 320 × 180 / 160 × 90 H.264(3), H.264(2) 1.256 / 384 / 161 × 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 4 / 128 / 256 / 384 / 132 / 768 / 1.024 / 1.358 / 2.048 / 3.072 / 4.096 / 6.144 / 8.192 / 10.240 / 12.288 / 14.336 / 15.384 / 20.480 / 3.472 / 4.096 / 6.144 / 8.192 / 10.240 / 12.288 / 14.336 / 15.384 / 20.480 / 3.072 / 4.096 / 6.144 / 8.192 / 10.240 / 12.288 / 14.336 / 15.384 / 20.480 / 3.072 / 4.096 / 6.144 / 8.192 / 10.240 / 12.288 / 14.336 / 15.384 / 20.480 / 3.072 / 4.096 / 6.144 / 8.192 / 10.240 / 12.288 / 14.336 / 15.384 / 20.480 / 3.072 / 4.096 / 6.144 / 8.192 / 10.240 / 12.288 / 14.336 / 15.384 / 20.480 / 3.072 / 4.096 / 6.144 / 8.192 / 10.240 / 12.288 / 14.336 / 15.384 / 20.480 / 3.072 / 4.096 / 6.144 / 8.192 / 10.240 / 12.288 / 14.336 / 15.384 / 20.480 / 3.072 / 4.096 / 6.144 / 8.192 / 10.240 / 12.288 / 14.356 / 16.450 / 9.2 / 0.25 / 0.33 / 0.5 / 17 2 / 3 / 4 / 5s Unicast / Muticast 10 steps 0.1 [ps - 30 tps (JPEG frame rate will be restricted when displaying both JPEG and H264 images Pull / Push 6.726 (ADPCM) 32 kbps / 16 kbps, G.7111 64 kbps / AAC-LC
IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,FTP, SM DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARI FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmission) is fa backup on an optional SDXC/SDHC/SD memory card is available.)		System Suppor Suppor Network Image F H.264 '4 JPEG Audio N Authent Total Bi	Log ted OS '3 ted Browser (F Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (constant bit nab/Bet effort) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Aode tication for Audio t Rate	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 148 Windows® Internet Explorer® 1 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector • 1.3 mega pixel [16: 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 • 1.3 mega pixel [16: 9] (30/60 fps) 1,280 x 860 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 • 2 mega pixel [16: 9] (30 fps mode) * Used by super resolution technology H.264(1), H.264(2) 1,920 x 1,080 / 640 x 360 / 320 x 180 / 160 x 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 13 / 4 / 5s Unicast / Multicast 1 0 steps 0.1 (ps - 30 (ps (JPEG frame rate will be restricted when displaying both JPEG and H264 images Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half duples) / Interactive (Full duples) / Uniteractive (Full duples)
DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, IGMP, ARI FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmissionis fa backup on an optional SDXC/SDHC/SD memory card is evallable).		System Suppor Suppor Network Image F H.264 '4 JPEG Audio N Authent Total Bi	Log ted OS '3 ted Browser (F Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (constant bit nab/Bet effort) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Aode tication for Audio t Rate	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 1ternet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Mindows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector 1.3 mega pixel [16 : 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1.3 mega pixel [16 : 9] (30/60 fps) 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2 mega pixel [16 : 9] (30 fps) 1,280 x 360 / 320 x 180 / 160 x 90 1.260 x 360 / 640 x 380 / 320 x 180 / 160 x 90 H.264(1), H.264(2) 1,920 x 1,080 / 640 x 360 / 320 x 180 / 160 x 90 H.264(3), H.264(4) 640 x 360 / 320 x 180 / 160 x 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 11,336 / 16,384 / 20,400 / 24,576 / 30,720 / 40,960 ' kbpz Image quality (Constant bit rate / Best effort): Low(Motion priority) / Normal / Fine (Image quality priority) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JEG frame rate will be restricted when displaying both JPEG and H264 images Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half dupley / Interactive (Full duplex Levei 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 2,048 / 4,096 / 8,192 kbps / Unlimite 16v6 : TCP/IP, UDP/IP, HTTP, RTP, SRTP, DNS, NTP,
FTP Client Alarm image transmission, FTP periodic transmission (When the FTP transmissionis fa backup on an optional SDXC/SDHC/SD memory card is available.)		System Suppor Suppor Network Image F H.264 '4 JPEG Audio N Authent Total Bi	Log ted OS '3 ted Browser (F Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (constant bit nab/Bet effort) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Aode tication for Audio t Rate	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7.1 Microsoft® Windows® 18, Mindows® Internet Explorer® 11 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Gogle Chrome, Mozilla Firefox 10Base-T / 10OBase-TX, RJ45 connector •1.3 mega pixel [16 : 9] (30/60 fps) 1,280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 +1.3 mega pixel [16 : 9] (30 fps) 1,280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 •2 mega pixel [16 : 9] (30 fps) 1,280 × 1080 / 640 × 360 / 320 × 180 / 160 × 90 H.264(1), H.264(2) 1,920 × 1,080 / 640 × 360 / 320 × 180 / 160 × 90 H.264(4), H.264(2) 1,320 × 1,080 / 640 × 360 / 320 × 180 / 160 × 90 Constant bitrate / VBB / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 ps 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 ps 64 / 128 / 256 / 384 / 13,36 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 15,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 ' kbp Image quality (Constant bit rate / Best effort) : Low(Motion priority / Normal / Fine (Image quality priority) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 [bs - 30 tp (JPEG frame rate will be restricted when displaying both JPEG and H264 images Pull / Push G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Hall duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 384 / 512 / 786 / 1.024 / 2,048 / 4,192 / 78, 95 / V.01imite IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SMMP, DHCPv6, MLD
backup on an optional SDXC/SDHC/SD memory card is available.)		System Suppor Suppor Network Image F H.264 '4 JPEG Audio N Authent Total Bi	Log ted OS '3 ted Browser (F Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (constant bit nab/Bet effort) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Aode tication for Audio t Rate	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG, error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 18, Mindows® Internet Explorer® 1 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 9 (32 bit), Windows® Internet Explorer® 10 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector *1.3 mega pixel [16: 9] (30/60 fps) 1,280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 *1.3 mega pixel [16: 9] (30/60 fps) 1,280 x 860 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 *2 mega pixel [16: 9] (30 fps mode) * Used by super resolution technology H.264(1), H.264(2) 1,920 x 1,080 / 640 x 360 / 320 x 180 / 160 x 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 13 / 4 / 5s Unicast / Multicast 1 0 steps 0.1 fps : 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H264 images Pul / Push 6.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 only / Level 2 higher / All users 64 / 128 / 256 / 334 / 512 / 768 / 1,024 / 2,046 / 4,096 / 8,192 kbps / Unlimitte IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTP, RTP, RTP, RTP, RTP, RTP, PNTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP, RTP, RTP, RTP, RTP, RTP, RTP, RTP, R
		System Suppor Network Image F H.264 '4 JPEG Audio C Audio N Audio N Audio N Suppor	Log ted OS ¹³ ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constant bit rate/Best effort) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Adde tication for Audio t Rate ted Protocol	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 16, Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 1 (32 bit), Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 10DBase-TX, RU45 connector •1.3 mega pixel [16 : 9] (30/60 fps) 1.280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 •1.3 mega pixel [16 : 9] (30 fps) 1.280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 •2 mega pixel [16 : 9] (30 fps) 1.280 × 100 / 640 × 360 / 320 × 180 / 160 × 90 H.264(1), H.264(2) 404 × 360 / 320 × 180 / 160 × 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1.3 / 5 / 7 .5 / 10 / 12 / 15 / 20 / 30 / 60 fps 64 / 128 / 256 / 384 / 512 / 768 / 1,024 / 1,536 / 2,048 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,386 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 3,072 / 4,096 / 6,144 / 8,182 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 4,096 / 6,192 / 40,96 / 6,192 / 10,100 / 1
No. of Simultaneous Lisers 11 in to 14 users (Depends on network conditions)		System Suppor Suppor Network Image F H.264 '4 JPEG Audio C Audio N Audio N Audio N Suppor	Log ted OS ¹³ ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (Constant bit rate/Best effort) Refresh interval Transmission Type Image Quality Refresh interval Transmission Type Compression Adde tication for Audio t Rate ted Protocol	Up to 100 (Internal) Up to 4,000 (SDX/SDHC/SD memory when the recording format is set to JPEG) error log Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® Internet Explore® 10 (32 bit), Windows® Internet Explore® 11 (32 bit), Windows® Internet Explore® 8 (32 bit), Windows® Internet Explore® 7 (32 bit), 1.3 mega pixel [16 : 9] (30/60 fps) 1.280 × 720 / 640 × 360 / 320 × 180 / 160 × 90 1.3 mega pixel [13 : 9] (30 fps mode) * Used by super resolution technology 1.280 × 960 / 800 × 600 / 640 × 480 / 400 × 300 / 320 × 240 / 160 × 120 *2 mega pixel [16 : 9] (30 fps mode) * Used by super resolution technology H.264(4), H.264(2), 1.280 × 100 / 160 × 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 tps Image quality (Constant bit rate / Best effort) : Low(Motion priority / Normal / Fine (Image quality priority) 0.2 / 0.25 / 0.33 / 0.5 / 1/ 2 / 3 / 4 / 5s
The of simulateous users of the tasers (Depends of network conditions)		System Suppor Suppor Network Image F H.264 '4 JPEG Audio C Audio C Audio C Audio C Audio C Suppor FTP Cli	Log ted OS ^{'3} ted Browser IF Resolution Transmission Mode Frame Rate Bit Rate/Client Image Quality (constant bit nate/Set effort) Refresh interval Transmission Type Ompression Aode tication for Audio tication for Audio ticated Protocol ent	Up to 100 (Internal) Up to 4,000 (SDXC/SDHC/SD memory when the recording format is set to JPEG.) error log Microsoft® Windows® 7, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® 148 Windows® Internet Explorer® 1 (32 bit), Windows® Internet Explorer® 1 (32 bit), Windows® Internet Explorer® 7 (32 bit), Windows® Internet Explorer® 8 (32 bit), Windows® Internet Explorer® 7 (32 bit), Safari, Google Chrome, Mozilla Firefox 10Base-T / 100Base-TX, RJ45 connector 1.3 mega pixel [16: 9] (30/60 fps) 1.280 x 720 / 640 x 360 / 320 x 180 / 160 x 90 1.3 mega pixel [4: 3] (30 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2 mega pixel [4: 3] (30 fps) 1.280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240 / 160 x 120 2 mega pixel [4: 3] (30 fps) 1.280 x 360 / 320 x 180 / 160 x 90 H.264(1), H.264(2) 1.920 x 1,080 / 640 x 360 / 320 x 180 / 160 x 90 Constant bitrate / VBR / Framerate priority / Best effort / Advanced VBR 1 / 3 / 5 / 7.5 / 10 / 12 / 15 / 20 / 30 / 60 fps 6 / 128 / 256 / 348 / 152 / 748 / 1024 / 158 / 2,048 / 3,072 / 4,096 / 6,144 / 8 ,192 / 10,240 / 12,288 / 14,336 / 16,384 / 20,480 / 24,576 / 30,720 / 40,960 kbps Image quality (Constant bit rate / Best effort) : Low(Motion priority / Normal / Fine (Image quality priority) 0.2 / 0.25 / 0.33 / 0.5 / 1 / 2 / 3 / 4 / 5s Unicast / Multicast 10 steps 0.1 fps - 30 fps (JPEG frame rate will be restricted when displaying both JPEG and H264 images. Pull / Push 6.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps / AAC-LC 0ff / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex) Level 1 onty / Level 2 higher / 168 / 10,24 / 2,048 / 4,096 / 8,192 kbps / Unlimited IPV6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTP, RTP, RTP, RTP, RTP, RTP, PN, NTP, SNMP, DHCP, 0, MLD, ICMP, ARP IArm image transmission, FTP priodic transmission (When the FTP transmission is failed, backup on a optional SDXCKDHC/SD memory card is avaliable.)

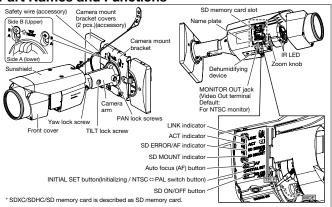
Network	SDXC/SDHC/SD	H.264 recording :
	Memory Card (Option)	Manual REC / Alarm REC (Pre/Post) / Schedule REC/ Backup upon network failure Compatible
	* Manufactured by Panasonic	JPEG recording : Manual REC / Alarm REC (Pre/Post) / Backup upon network failure Compatible SD (SDHC/SDXC) card:
	(SD speed class 4 or higher)	
	* Use the SD memory card that complies with UHS-1	
	(Ultra High Speed-1) in the case of	Panasonic 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64 GB**, 128 GB** model
	SD Speed Class 10.	*SDHC card, ** SDXC card (except miniSD card and microSD card)
	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 termina
Alarm	Alarm Source	3 terminals input, VMD, Command alarm, Audio detection alarm
	Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notificatio
		Indication on browser, FTP image transfer, Panasonic protocol output
	Alarm Log	With SDXC/SDHC/SD memory card : Up to 50,000 logs for each SD memory card
	Schedule	Alarm / VMD / Access permission / H.264 recording / Scene file
Input/	Monitor Output	VBS : 1.0 V [p-p] / 75 Ω, composite, RCA jack
Output	(for adjustment)	An NTSC or PAL signal can be outputted from camera
		(either press the INITIAL SET switch quickly (within 1 second) or
		use software to select either NTSC or PAL signal).
	Microphone/Line Input	ø3.5 mm monaural mini jack
		(monaural input) (Applicable microphone: Plug-in power type)
		Supply voltage : 2.5 V ±0.5 V Input impedance : Approx. 2 kΩ (unbalance
	Audio Output	ø3.5 mm stereo mini jack (monaural output)
		Output impedance : Approx. 600 Ω (unbalanced)
	External I/O Terminals	ALARM IN 1 (DAY/NIGHT IN), ALARM IN 2 (ALARM OUT), ALARM IN 3 (AUX OUT
General	Safety	UL (UL60950-1), C-UL (CAN/CSA C22.2 No.60950-1), CE, IEC60950-
	EMS	FCC (Part15 ClassA), ICES003 ClassA, EN55022 ClassB, EN55024
	Power Source and	When IR LED is On
	Power Consumption	DC power supply : DC 12 V / 770 mA / Approx. 9.24 W
		PoE (IEEE802.3af compliant) : DC 48 V / 200 mA / Approx. 9.6 W* (Class 0 device
		* Maximum power consumption on the camera power input side.
		** ONLY CONNECT DC 12 V CLASS 2 POWER SUPPLY.
	Ambient Operating Temperature	-40 °C to +50 °C (-40 °F to 122 °F)
	Ambient Operating Humidity	10 to 90 % (no condensation)
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible, Type 4X(UL50), NEMA 4X complian
	Dimensions	95 mm (W) x 99 mm (H) x 334.5 mm (L)
	* Installing using the base bracket	{3-3/4 inches (W) x 3-57/64 inches (H) x 1ft 1-11/64 inches (L)}
	Mass (approx.)	Approx. 1.6 kg {3.5 lbs}
	Finish	Main body : Aluminum die cast, light gray
		Front cover section clear part : Clear polycarbonate resin

Front cover section clear part : Clear polycarbonate resin

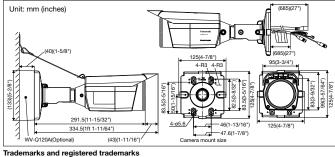
*1 Converted value

*2 Super Dynamic function is automatically set off on 60 fps mode. *3 Refer to *Notes on Windows Vista® / Windows® 7 / Windows® 8 / Windows® 8.1* on the provided CD-ROM for further information about system requirements for a PC and precautions when using Microsoft® Windows® 8.1 or Microsoft® Windows® 8 or Microsoft® Windows® 7 or Microsoft® Windows Vista®. *4 Transmission for 4 streams can be individually set.

Part Names and Functions



Appearance



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Important

 Safety Precaution: Carefully read the Important Information, Installation Guide and operating instructions before using this product. - Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network. Masses and dimensions are approximate.
 Specifications are subject to change without notice.



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