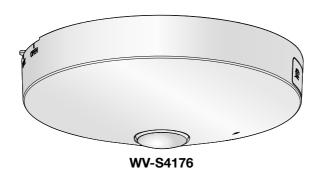


Basic Information

Network Camera

Model No. WV-S4176 WV-S4156



About the user manuals

Product documentation is composed of the following documents.

- Installation Guide (accessory): Provides information about "Precautions", "Precautions for installation" and the installation method.
- Basic Information (this document): Provides information about "Precautions for use" and "Detail specifications".
- Operating Instructions (in the following manual website): Explains how to perform the settings and how to operate this camera.

https://i-pro.com/global/en/surveillance/documentation_database

- "<Control No.: C****>" used in these documents should be used to search for information on our support website (https://i-pro.com/global/en/surveillance/training_support/support/technical_information) and will guide you to the right information.
- SDXC/ SDHC/ SD memory card is described as SD memory card.
- The external appearance and other parts shown in this manual may differ from the actual product within the scope that will not interfere with normal use due to improvement of the product.



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- (6) ANY CLAIM OR ACTION FOR DAMAGES BROUGHT BY ANY PERSON OR ORGANIZATION AS A PHOTOGRAPHED SUBJECT DUE TO VIOLATION OF PRIVACY CONCERNING A SURVEILLANCE CAMERA'S PICTURE OR SAVED DATA, FOR SOME REASON (INCLUDING USE WHEN USER AUTHENTICATION ON THE AUTHENTICATION SETTING SCREEN IS SET TO OFF), BECOMING PUBLIC OR BEING USED FOR ANY PURPOSE;
- (7) LOSS OF REGISTERED DATA CAUSED BY ANY FAILURE (INCLUDING INITIALIZATION OF THE PRODUCT DUE TO FORGOTTEN AUTHENTICATION INFORMATION SUCH AS A USER NAME AND PASSWORD).

About notations

The following notations are used when describing the functions limited for specified models. The functions without the notations are supported by all models.

S4176 The functions with this notation are available when using the model WV-S4176.

\$4156 The functions with this notation are available when using the model WV-S4156.

System requirements for a PC

CPU: Intel® CoreTM Processor family *1

- Intel® CoreTM i5-6500 or faster

- Intel® CoreTM i7-6700 or faster recommended

4 GB (2 GB x 2, Dual Channel) or more recommended. Memory:

Network interface: 10BASE-T/100BASE-TX 1 port

Audio interface: Sound card (when using the audio function) Monitor: Image capture size: 1024 x 768 pixels or more

High-resolution monitoring: 3840 x 2160 pixels or more

Color: 24-bit True color or better

OS: Microsoft Windows 10

Microsoft Windows 8.1

Web browser: Internet Explorer 11 (32-bit)

Microsoft Edge

Firefox

Google ChromeTM

Adobe® Reader® or Acrobat Reader® Others:

(It is necessary to view the PDF file.)

- For information on the operation verification of the supported operating systems and web browsers, refer to our support website < Control No.: C0104, C0122>.
- When using a PC that does not meet the above requirements, displaying of images may become slower or the web browser may become inoperable.
- Audio may not be heard if a sound card is not installed on a PC. Audio may be interrupted depending on the network environment.
- When using Microsoft Windows 8.1, use it in the desktop. The software cannot be used in the Modern UI design.

^{*1} In order to view camera images with Internet Explorer, we recommend using the hardware decode function. For details, refer to our support website < Control No.: C0313>.

Network security

As you will use this unit connected to a network, your attention is called to the following security risks.

- ① Leakage or theft of information through this unit
- 2 Use of this unit for illegal operations by persons with malicious intent
- (3) Interference with or stoppage of this unit by persons with malicious intent

It is your responsibility to take precautions such as those described below to protect yourself against the above network security risks.

- Use this unit in a network secured by a firewall, etc.
- If this unit is connected to a network that includes PCs, make sure that the system is not
 infected by computer viruses or other malicious entities (using a regularly updated anti-virus
 program, anti-spyware program, etc.).
- To prevent unauthorized access, use user-authentication, set user names and passwords, and limit which users can log in.
- Apply measures such as user authentication to protect your network against leakage or theft of information, including image data, authentication information (user names and passwords), alarm mail information, and DDNS server information.
- After the unit is accessed by the administrator, make sure to close the browser.
- Change the administrator password periodically. Additionally, save user authentication information (user names and passwords) in such a way that it is kept out of the hands of third parties.
- Do not install the camera in locations where the camera or the cables can be destroyed or damaged by persons with malicious intent.

Precautions for use

When the product is accessible from the Internet

To prevent unauthorized access, note the following.

- · Leave user authentication turned on.
- Periodically change passwords that are used to access the product.
 - Refer to the Operating Instructions for information about how to change passwords.

To keep on using with stable performance

Do not use this product in hot and humid conditions for a long time. Failure to observe this causes component degradation resulting in life shortening of this product. Do not expose this product to direct heat sources such as a heater.

Make sure that the product does not become wet.

Keep this camera away from water and moisture.

Usage such as switching the power ON/OFF frequently could lead to failure of the camera.

Handle this product with care.

Do not drop this product, nor apply shock or vibration to the product. Failure to observe this may cause trouble.

Do not directly touch the lens.

A dirty lens causes deterioration of picture quality.

When an error is detected, this product will restart automatically.

This product will be inoperable for around 2 minutes after the restart just as when the power is turned on.

About the automatic status detection function

When this product malfunctions due to exogenous noise, etc. for 30 seconds or more, the product will automatically reset and will return to normal state. When the product is reset, initialization will be carried out as when the power of the product is turned on. When the product repeatedly resets, exogenous noise level around the product may be high and that may cause malfunction. Contact your dealer for instructions.

Periodically images on the screen appear to be distorted

When the camera is installed in a location where it is subject to small vibrations (for example, when it is installed near devices that vibrate), images may appear distorted and stretched lengthways. This phenomenon is a characteristic of image pickup devices that use CMOS sensors and is caused by the relationship between the periodic movements of the camera and the timing that the image sensor reads images. This is not a problem with the camera. To reduce the possibility of this phenomenon occurring, install the camera in a secure location.

We shall not be liable for content compensation, losses of recorded or edited content and any direct or indirect consequent damages caused by failure to record or edit due to faults with this unit or the SD memory card. In addition, the same provisions apply after unit is reparied.

About the CMOS image sensor

- When continuously shooting a bright light source such as a spotlight, the color filter of the CMOS image sensor may become deteriorated and this may cause discoloration. Even when changing the fixed shooting direction after continuously shooting a spotlight for a certain period, the discoloration may remain.
- When shooting fast-moving subjects or objects crossing the shooting area may look to be bending askew.

Cleaning this product body

Be sure to turn off the power before cleaning. Failure to observe this may cause injury. Do not use benzine, thinner, alcohol, or any other types of solvents or detergents. Otherwise, it may cause discoloration. When using a chemical cloth for cleaning, read the caution provided with the chemical cloth product.

 Do not loozen or remove screws unless instructed to do so in the product documentation.

Cleaning the lens

Use a lens cleaning paper (used to clean camera lenses or lenses of spectacles). When using solvent, use an alcohols solvent and do not use a glass cleaner or a thinner.

AVC Patent Portfolio License

THIS PRODUCT IS LICENSED UNDER THE AVC PATENT PORTFOLIO LICENSE FOR THE PERSONAL USE OF A CONSUMER OR OTHER USES IN WHICH IT DOES NOT RECEIVE REMUNERATION TO (i) ENCODE VIDEO IN COMPLIANCE WITH THE AVC STANDARD ("AVC VIDEO") AND/OR (ii) DECODE AVC VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL ACTIVITY AND/ OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE AVC VIDEO, NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA. L.L.C. SEE HTTP://WWW.MPEGLA.COM

Product disposal/transfer

Data saved on this product or a storage device used with this product may lead to personal information leakage. When it is necessary to dispose or give this product to someone, even when for repair, make sure that there is no data on this product.

When abandoning the memory media, it is recommended to destroy it physically after deleting data by PC.

Effects on images and image quality

Depending on the installation location, the dome cover or lens may become dirty, causing image quality to deteriorate or images may become difficult to see.

Router

When connecting this product to the Internet, use a broadband router with the port forwarding function (NAT, IP masquerade).

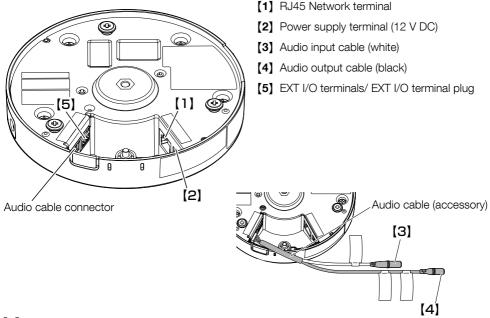
Refer to the Operating Instructions for further information about the port forwarding function.

Time & date setting

It is necessary to set the time & date before putting this product into operation. Refer to the Operating Instructions for descriptions of how to perform the settings.

Parts and functions

■ Terminals



[1] RJ45 Network terminal

Connect an Ethernet cable (category 5e or better, straight, 4 pairs (8 pins)) to the network terminal.

IMPORTANT:

- Use all 4 pairs (8 pins) of the Ethernet cable.
- The maximum cable length is 100 m {328 feet}.
- Make sure that the PoE device in use is compliant with IEEE802.3af standard.
- When connecting both the 12 V DC power supply and the PoE device for power supply, 12 V DC will be used for power supply.
- When the Ethernet cable is disconnected once, reconnect the cable after around 2 seconds.
 When the cable is quickly reconnected, the power may not be supplied from the PoE device.

[2] Power supply terminal (12 V DC)

Connect the output cable of the AC adaptor to the power supply terminal (accessory) and attach it to the camera.

- Be sure to use the power cable plug (accessory) provided with this product.
- Be sure to fully insert the power cable plug (accessory) into the power supply terminal (12 V DC). Otherwise, it may damage the camera or cause malfunction.
- When installing the camera, make sure that excessive force is not applied to the power cable.
- Be sure to use an AC adaptor compliant with the Specifications (written in the indication label on the bottom side of this unit) regarding power source and power consumption.

[3] Audio input cable (white)

Connect a microphone or the line out of an external device using a stereo mini plug (ø3.5 mm). <For microphone input>

Recommended microphone: Plug-in power type (locally procured)
 (Sensitivity of microphone: -48 dB ±3 dB (0 dB=1 V/Pa,1 kHz))

Input impedance: Approx. 2 kΩ (unbalanced)

Supply voltage: 2.5 V ±0.5 V

• Recommended cable length: Less than 1 m {3.28 feet}

<For line input>

• Input level for the line input: Approx. –10 dBV

• Recommended cable length: Less than 10 m {32.8 feet}

[4] Audio output cable (black)

Connect an external speaker* using a stereo mini plug (ø3.5 mm). (Audio output is monaural.)

Output impedance: Approx. 600 Ω (unbalanced)
 Recommended cable length: Less than 10 m {32.8 feet}

Output level: -20 dBV *Use a powered speaker.

IMPORTANT:

 Connect/disconnect the audio cables and turn on the power of the camera after turning off the power of the audio output devices. Otherwise, loud noise may be heard from the speaker.

• Make sure that the stereo mini plug is connected to this cable. When a monaural mini plug is connected, audio may not be heard.

When connecting a monaural speaker with amplifier, use a locally procured conversion cable (mono-stereo).

Note:

- The audio output can be switched to the monitor output. Refer to the Operating Instructions
 on the our support web site for descriptions of how to switch the output.*1
- The monitor out is set to NTSC in the default settings of the camera. If you want to change the monitor out setting to PAL, refer to the Operating Instructions on the our manual website.

- The adjustment monitor is used for checking the adjustment of the angular field of view when installing the camera or when servicing. It is not provided for recording/monitoring use.
- Depending on the monitor, some characters (camera title, preset ID, etc.) may not be displayed on the screen.

^{*1} The camera does not have an independent monitor output terminal. Switch the audio output cable to monitor output, and connect a monitor for adjustment during installation or service.

[5] EXT I/O terminals / External I/O terminal plug (accessory)

Connect the external device to the external I/O terminal plug (accessory) and then connect to the EXT I/O terminals of the camera.

Note:

• Off, input, and output of the external I/O terminal 2 and 3 can be switched by configuring the setting. Refer to the Operating Instructions for further information about the EXT I/O terminal 2 and 3 (ALARM IN2, 3) settings ("Off", "Alarm input", "Alarm output" or "AUX output").

<Ratings>

• ALARM IN1 (Auto time adjustment input), ALARM IN2, ALARM IN3

Input specification: No-voltage make contact input (4 V - 5 V DC, internally pulled up)

OFF: Open or 4 V - 5 V DC

ON: Make contact with GND (required drive current: 1 mA or more)

• ALARM OUT, AUX OUT

Output specification: Open collector output (maximum applied voltage: 20 V DC)

OPEN: 4 V - 5 V DC by internal pull-up

CLOSE: Output voltage 1 V DC or less (maximum drive current: 50 mA)

External I/O terminal plug



- Install external devices so that they do not exceed the rating of the network camera.
- When using the EXT I/O terminals as alarm output or AUX output, ensure that they do not cause signal collision with external signals.

Troubleshooting

Before asking for repairs, check the symptoms with the following table.

Contact your dealer if a problem cannot be solved even after checking and trying the solution in the table or a problem is not described below.

| Symptom | Cause/solution | Reference pages |
|--|---|-----------------------|
| Power is not turned on. | When using a PoE device for power supply Are the PoE device (IEEE802.3af compliant) and the RJ45 Network connector connected using an Ethernet cable? Check whether the connection is appropriately established. Depending on the PoE device, the power supply will stop when the demanded power exceeds its total power limit for all PoE ports. Refer to the operating instructions of the PoE device in use. When using DC power supply | Installation Guide |
| | Is the cable from the 12 V DC power supply correctly connected to the power cord plug (accessory), and is the power supply connection terminal of the camera firmly inserted? Confirm the power plug is firmly connected. Is the AC adaptor in use compliant with the Specifications? Check the Specifications regarding AC adaptor. | 33.00 |
| The LINK indicator does not light in orange even when the Ethernet cable is connected to the camera. | Is the Ethernet cable connected appropriately? Connect the Ethernet cable appropriately. Is the hub or router connected to the camera operating appropriately? Check if the hub or router in use is operating appropriately. Is the Ethernet cable connected to the camera broken? Replace the cable with another one. | Installation Guide |
| SD ERROR/ABF indicator lights red SD ERROR indicator lights red S4156 | This indicator lights up red when data cannot be saved on the SD memory card. • Is the write protect switch of the inserted SD memory card set to "LOCK"? Unlock the write protect switch of the SD memory card. • Has the inserted SD memory card been formatted on a PC? Use an SD memory card formatted on the camera. Or install the software to format the SD memory card on the PC. Refer to our website <control c0105="" no.:=""> for further information about the supported software. • Is the inserted SD memory card faulty? Replace the card with a normal one.</control> | Installation Guide |

| Symptom | Cause/solution | Reference pages |
|-----------------------------|---|-----------------------|
| Audio input contains noise. | Check the following. Grounding of the camera, a switching hub or peripheral devices are not done. The camera is used near an electrical power line. The camera is used near a device which produces strong magnetic field or radio waves (such as near a TV/radio antenna, a motor of an air conditioning system, a transformer, etc.) When audio input still contains noise even after checking the above possibilities, use a powered microphone or connect audio output with low output impedance. | Installation Guide |

Detail specifications

• Basic

| Power source *1: | DC 12 V PoE (IEEE802.3af compliant) | |
|--------------------------------|--|--|
| Power consumption *1: | | |
| Tower consumption . | \$4176 | |
| | DC 12 V: 680 mA/ Approx. 8.2 W | |
| | PoE DC 48 V: 180 mA/ Approx. 8.6 W (Class 0 device) | |
| | \$4156 | |
| | DC 12 V: 520 mA/ Approx. 6.2 W | |
| On a setting a set in a second | PoE DC 48 V: 140 mA/ Approx. 6.7 W (Class 0 device) | |
| Operating environment | 10.00 50.00 (14.05 100.05) | |
| Ambient operating temperature: | -10 °C to +50 °C {14 °F to 122 °F} | |
| Ambient operating humidity: | 10 % to 90 % (no condensation) | |
| Storage environment | | |
| Storage temperature: | -30 °C to +60 °C {-22 °F to +140 °F} | |
| Storage humidity: | 10 % to 95 % (no condensation) | |
| Monitor output | VBS: 1.0 V [p-p]/75 Ω , composite, Ø3.5 mm mini jack (Audio output | |
| (for adjustment): | terminal) | |
| | An NTSC or PAL signal can be outputted from camera (use | |
| EVEL/O La salada | software to select NTSC or PAL signal). | |
| EXT I/O terminals: | ALARM IN1 (Alarm input 1 / Auto time adjustment input) (v1) | |
| | (Alarm input 1/ Auto time adjustment input) (x1) ALARM IN2 (Alarm input 2/ ALARM OUT) (x1) | |
| | ALARM IN3 (Alarm input 3/ AUX OUT) (x1) | |
| Built-in microphone: | Nondirectional electret condenser microphone | |
| Bailt in millionophono. | | |
| Audio input: | ø3.5 mm stereo mini jack | |
| For microphone input: | Recommended applicable microphone : Plug-in power type | |
| | (Sensitivity of microphone: -48 dB±3 dB (0 dB=1 V/Pa, 1 kHz)) | |
| | Input impedance: Approx. 2 kΩ (unbalanced) | |
| | Supply voltage: 2.5 V ±0.5 V | |
| For line input: | Input level: Approx10 dBV | |
| Audio output *2: | ø3.5 mm stereo mini jack (Audio output is monaural.) | |
| | Output impedance: Approx. 600 Ω (unbalanced) | |
| | Output level: -20 dBV | |
| Dimensions: | S4176 | |
| | ø150 mm × 49.5 mm (H) {ø5-29/32 inches × 1-15/16 inches (H)} | |
| | S4156 | |
| | ø150 mm × 50.5 mm (H) {ø5-29/32 inches × 2 inches (H)} | |
| Mass: | S4176 Approx. 420 g {0.93 lbs} | |
| | \$4156 Approx. 390 g {0.86 lbs} | |
| Finish: | Main body : ABS resin, i-PRO white | |

- *1 Refer to our support website <Control No.: C0106> for further information about Power source and Power consumption information.
- *2 The audio output can be switched to the monitor output. Refer to the "Operating Instructions" on our manual website for descriptions of how to switch the output.

• Camera

| Image sensor: | S4176 |
|-----------------------|--|
| | Approx. 1/2 type CMOS image sensor |
| | \$4156 |
| Effective pixels: | Approx. 1/3 type CMOS image sensor |
| Ellective pixels. | \$4176 |
| | Approx. 12.4 megapixels |
| | Approx. 5.1 megapixels |
| Scanning area: | |
| Godining area. | \$4176 5.54 mm (H) × 5.54 mm (V) {7/32 inches (H) × 7/32 inches (V)} |
| | \$4156 |
| | 3.55 mm (H) × 3.55 mm (V) {1/8 inches (H) × 1/8 inches (V)} |
| Scanning system: | Progressive |
| Minimum illumination: | S4176 |
| | Color: 0.2 lx {0.0102 footcandle} |
| | (30IRE, F1.9, Maximum shutter: Off (1/30 s), AGC: 11) |
| | 0.3 lx {0.0279 footcandle} (50IRE, F1.9, Maximum shutter: Off (1/30 s), AGC: 11) |
| | 0.02 lx {0.0019 footcandle} |
| | (50IRE, F1.9, Maximum shutter: max. 16/30 s, AGC: 11)* |
| | BW: 0.2 lx {0.0186 footcandle} (50IRE, F1.9, Maximum shutter: Off (1/30 s), AGC: 11) |
| | 0.01 lx {0.0009 footcandle} |
| | (50IRE, F1.9, Maximum shutter: max. 16/30 s, AGC: 11)* |
| | S4156 |
| | Color: 0.11 lx {0.0186 footcandle} |
| | (30IRE, F2.4, Maximum shutter: Off (1/30 s), AGC: 11) 0.15 lx {0.0139 footcandle} |
| | (50IRE, F2.4, Maximum shutter: Off (1/30 s), AGC: 11) |
| | 0.01 lx {0.0009 footcandle} |
| | (50IRE, F2.4, Maximum shutter: max. 16/30 s, AGC: 11)* |
| | BW: 0.1 lx {0.0093 footcandle} (50IRE, F2.4, Maximum shutter: OFF (1/30 s), AGC: 11) |
| | 0.006 lx {0.0006 footcandle} |
| | (50IRE, F2.4, Maximum shutter: Off (16/30 s), AGC: 11)* |
| | * Converted value |
| Intelligent auto: | On/ Off |

| Wide dynamic range: | On/ Off |
|---------------------------------|---|
| S4176 | The level can be set in the range of 0 to 31. |
| Super Dynamic: \$4156 | On/ Off |
| | The level can be set in the range of 0 to 31.*1 |
| Dynamic range: | S4176 |
| | 84 dB typ. (Wide dynamic range On, Level: 31) |
| | S4156 |
| | 120 dB typ. (Super Dynamic: On, Level: 31) |
| Maximum gain: | The level can be set in the range of 0 to 11. |
| Adaptive black stretch: | The level can be set in the range of 0 to 255. |
| Back light compensation (BLC) / | BLC/ HLC/ Off |
| High light compensation (HLC): | The level can be set in the range of 0 to 31. |
| | (only when Wide dynamic range \$4176, |
| | Super Dynamic S4156, Intelligent auto: Off) |
| Fog compensation: | On/ Off |
| | The level can be set in the range of 0 to 8. |
| | (only when Intelligent Auto, auto contrast adjust: Off) |
| Light control mode setting: | Indoor scene (50 Hz)/ Indoor scene (60 Hz)/ ELC |
| Maximum shutter: | [30 fps mode] Max. 1/10000 s, Max. 1/4000 s, Max. 1/2000 s, Max. 1/1000 s, Max. |
| | 1/500 s,Max. 1/250 s, Max. 1/120 s, Max. 1/100 s, Max. 2/120 s, Max. |
| | 2/100 s,Max. 3/120 s, Max. 1/30 s, Max. 2/30 s, Max. 4/30 s, Max. 2/30 s, Max. 4/30 s, Max. |
| | 6/30 s,Max. 10/30 s, Max. 16/30 s |
| | [25 fps mode] |
| | Max. 1/10000 s, Max. 1/4000 s, Max. 1/2000 s, Max. 1/1000 s, Max. |
| | 1/500 s,Max. 1/250 s, Max. 1/100 s, Max. 2/100 s, Max. 3/100 s, Max. |
| | 1/25 s,Max. 2/25 s, Max. 4/25 s, Max. 6/25 s, Max. 10/25 s, Max. 16/25 s |
| Day/Night (Electrical): | Off/ Auto |
| White balance: | ATW1/ ATW2/ AWC |
| Digital noise reduction: | The level can be set in the range of 0 to 255. |
| Privacy zone: | On/ Off |
| • | Up to 8 zones available |
| Camera title on screen: | On/ Off |
| | Up to 20 characters (alphanumeric characters, marks) |
| Video Motion Detection (VMD): | |
| | 4 areas available |
| Scene Change Detection | On/ Off |
| (SCD): | 1 area available |
| Audio Detection: | On/ Off |
| Al Sound classification: | Selectable from Gunshot, Yell, Vehicle horn, Glass break |
| Fixing angle adjustment: | +5°,0°,-5° |

 $^{^{\}star}1$ When a mode other than "Fisheye" is used, the range that can be set is 0 to 29.

• Lens

| Zoom ratio: | x1 | | |
|-----------------------------------|---------------------------------------|-------------------|--|
| Digital (electronic) zoom: | Choose from 3 lev | els of x1, x2, x4 | |
| Focal length: | \$4176 1.4 mm {1/16 inch \$4156 | • | |
| Mariananananan | 0.84 mm {1/32 inc | ches} | |
| Maximum aperture ratio: | S4176 | | |
| | 1:1.9 | | |
| | S4156 | | |
| | 1:2.4 | | |
| Focus range: | S4176 | | |
| | 0.5 m {19-11/16 ir | nches} – ∞ | |
| | S4156 | | |
| | 0.3 m {11-13/16 ir | nches} – ∞ | |
| Aperture range: | S4176 | | |
| | F1.9 (Fixed) | | |
| | S4156 | | |
| | F2.4 (Fixed) | | |
| Angular field of view: | S4176 | | |
| | Horizontal: 183 ° / | Vertical: 183° | |
| | S4156 | Vartical, 100 ° | |
| DORI | Horizontal: 186 ° / | vertical: 100 | |
| Distance to the object in the | | | |
| center of the image | S4176 | S4156 | |
| Detect (25 ppm / 8 ppf): | 29.9 m {98.2 ft} | 20.7 m {68.0 ft} | |
| Observe (62.5 ppm / 19 ppf): | | 8.3 m {27.2 ft} | |
| Recognize (125 ppm / 38 ppf): | • | 4.1 m {13.6 ft} | |
| Identify (250 ppm / 76 ppf): | 3.0 m {9.8 π} | 2.1 m {6.8 ft} | |
| DORI Coverage radius when mounted | | | |
| at a height of 3 m (10 ft) | S4176 | S4156 | |
| Detect (25 ppm / 8 ppf): | | | |
| Observe (62.5 ppm / 19 ppf): | | 13.2 m {43.3 ft} | |
| Recognize (125 ppm / 38 ppf): | 8.4 m {27.6 ft} | 4.3 m {14.1 ft} | |
| Identify (250 ppm / 76 ppf): | 0.3 m {0.9 ft} | - | |

| • Network | Legace Tuespace TV Date |
|----------------|--|
| Network: | 10BASE-T/100BASE-TX, RJ45 connector |
| Resolution *1: | <ceiling><wall></wall></ceiling> |
| H.265/ H.264 | S4176 |
| JPEG (MJPEG) | Fisheye mode (max. 30 fps / 25 fps) |
| | 2992×2992, 2192×2192, 1280×1280, 640×640, 320×320 |
| | Quad PTZ mode (max.15 fps / 12.5 fps) |
| | 2560×1920/ 2048×1536/ 1600×1200/ 1280×960/ 800×600/ VGA/ QVGA |
| | Single PTZ mode (max.15 fps / 12.5 fps) |
| | 2560×1920 *2/ 2048×1536/ 1600×1200/ 1280×960/ 800×600/ VGA/ |
| | QVGA |
| | S4156 |
| | Fisheye mode (max. 30 fps / 25 fps) |
| | 2192×2192/ 1280×1280/ 640×640/ 320×320 |
| | Quad PTZ mode (max.30 fps / 25 fps) |
| | 1600×1200/ 1280×960/ 800×600/ VGA/ QVGA |
| | Single PTZ mode (max.30 fps / 25 fps) |
| | 1600×1200/ 1280×960/ 800×600/ VGA/ QVGA |
| | <ceiling></ceiling> |
| | S4176 |
| | Double Panorama mode (max.15 fps / 12.5 fps) |
| | 2560×1440/ 1920×1080/ 1280×720/ 640×360/ 320×180 |
| | Fisheye + Double Panorama mode (max. 15 fps / 12.5 fps) |
| | (Fisheye) 2992×2992/ 2192×2192/ 1280×1280/ 640×640/ 320×320 |
| | (Double Panorama) 1280×720/ 640×360/ 320×180 Fisheye + Quad PTZ mode (max.15 fps/ 12.5 fps) |
| | (Fisheye) 2992×2992/ 2192×2192/ 1280×1280/ 640×640/ 320×320 |
| | (Quad PTZ) 1280×960/ 800×600/ VGA/ QVGA |
| | Quad streams mode |
| | (Single PTZ (Quad streams) 1280×960/800×600/VGA/ |
| | QVGA (max. 15 fps / 12.5 fps) |
| | (Quad PTZ) 2560×1920/ 2048×1536/ 1600×1200/ |
| | 1280×960/800×600/ VGA/ QVGA (max. 5 fps) |
| | S4156 |
| | Double Panorama mode (max. 30 fps/25 fps) |
| | 1920×1080/ 1280×720/ 640×360/ 320×180 |
| | Fisheye + Double Panorama mode (max. 30 fps/25 fps) |
| | (Fisheye) 2192×2192/ 1280×1280/ 640×640/ 320×320 |
| | (Double Panorama) 1280×720/ 640×360/ 320×180 |
| | Fisheye + Quad PTZ mode (max. 30 fps/25 fps) (Fisheye) 2192×2192/ 1280×1280/ 640×640/ 320×320 |
| | (Quad PTZ) 1280×960/ 800×600/ VGA/ QVGA |
| | Quad streams mode |
| | (Single PTZ (Quad streams)) 1280×960/ 800×600/ VGA/ |
| | QVGA (max. 30 fps/25 fps) |
| | (Quad PTZ) 1600×1200/ 1280×960/ 800×600/ VGA/ |
| | QVGA (max. 5 fps) |
| | 1 1 |

<Wall>



Panorama mode (max.15 fps/ 12.5 fps)

2560×1440/1920×1080/1280×720/640×360/320×180

Fisheve + Panorama mode (max.15 fps/ 12.5 fps)

(Fisheye) 2992×2992/ 2192×2192/ 1280×1280/ 640×640/ 320×320 (Panorama) 1280×720/640×360/320×180

S4156

Panorama mode (max. 30 fps/25 fps)

1920×1080, 1280×720, 640×360, 320×180

Fisheve + Panorama mode (max. 30 fps/25 fps)

(Fisheye) 2192×2192, 1280×1280, 640×640, 320×320 (Panorama) 1280×720, 640×360, 320×180

Image compression method *3:

H.265/ H.264 Transmission priority:

Constant bit rate/ VBR/ Frame rate/ Best effort

Frame rate:

[30 fps mode]

1 fps/ 3 fps/ 5 fps*/ 7.5 fps*/ 10 fps*/ 12 fps*/ 15 fps*/ 20 fps*/ 30 fps*

[25 fps mode]

1 fps/ 3.1 fps/ 4.2 fps*/ 6.25 fps*/ 8.3 fps*/ 12.5 fps*/ 20 fps*/ 25 fps*

- The frame rate is limited to "bit rate". When a value with an asterisk (*) is selected, the actual frame rate may be lower that the value selected.
- When the dynamic range is set to a level of 30 or higher, the refresh interval is limited to 15 fps or 12.5 fps.

Bit rate per client:

64 kbps/ 128 kbps*/ 256 kbps*/ 384 kbps*/ 512 kbps*/ 768 kbps*/ 1024 kbps*/ 1536 kbps*/ 2048 kbps*/ 3072 kbps*/ 4096 kbps*/ 6144 kbps*/ 8192 kbps*/ 10240 kbps*/

12288 kbps*/ 14336 kbps*/ 16384 kbps*/ 20480 kbps*/

24576 kbps*/ --FREE ENTRY--

* The available range of the bit rate varies depending on the setting selected for "image capture size".

Image quality:

- For "Constant bit rate", "Frame rate", and "Best effort": Low(Motion priority)/ Normal/ Fine(Image quarity priority)
- "VBR":

0 Super fine/ 1 Fine/ 2/ 3/ 4/ 5 Normal/ 6/ 7/ 8/ 9 Low

Transmission type:

Unicast port (AUTO)/ Unicast port (MANUAL)/ Multicast

| JPEG (MJPEG) Image quality: O SUPER FINE/ 1 FINE/ 12/3 / 4 / 5 NORMAL/ 6 / 7 / 8 / 9 LOW (10 steps: 0-9) Transmission type: PULL (Refresh interval) / PUSH (MJPEG) Refresh interval: [30 fps mode] O, 1 fps / 0.2 fps / 0.33 fps / 0.5 fps / 1 fps / 2 fps / 3 fps / 5 fps / 6 fps / 10 fps / 12 fps / 15 fps / 30 fps ** [25 fps mode] O, 85 fps / 0.77 fps / 0.28 fps / 0.42 fps / 1 fps / 2.1 fps / 3.1 fps / 4.2 fps / 5 fps / 8.3 fps / 1.25 fps / 25 fps ** (JPEG frame rates are limited when using JPEG and H.265/H.264 simultaneously.) * ■ \$153 | IDEO (14 IDEO) | (; |
|--|---------------------------|--|
| (10 steps: 0-9) Transmission type: PULL (Refresh interval) / PUSH (MJPEG) Refresh interval: [30 fps mode] 0.1 fps/ 0.2 fps/ 0.33 fps/ 0.5 fps/ 1 fps/ 2 fps/ 3 fps/ 5 fps/ 6 fps/ 10 fps/ 12 fps/ 15 fps/ 30 fps* [25 fps mode] 0.08 fps/ 0.77 fps/ 0.28 fps/ 0.42 fps/ 1 fps/ 2.1 fps/ 3.1 fps/ 4.2 fps/ 5 fps/ 8.3 fps/ 12.5 fps/ 25 fps* (JPEG frame rates are limited when using JPEG and H.265/H.264 simultaneously.) * ■3415● only GOP (Group of pictures) control On (Frame rate control) * On (Advanced) * Yo (Mid) / On (Low) / Off* * On (Frame rate control) and On (Advanced) are only available with H.265. Auto YIQS On/ Off Audio compression method: G.726 (ADPCM): 16 kbps/ 32 kbps G.711: 64 kbps AAC-LC * 4: 64 kbps/ 96 kbps/ 128 kbps AAC-LC * 4: 64 kbps/ 96 kbps/ 128 kbps/ 512 kbps/ 768 kbps/ 1024 kbps/ 15360 kbps/ 2048 kbps/ 4096 kbps/ 6144 kbps/ 8192 kbps/ 1024 kbps/ 15360 kbps/ 2048 kbps/ 4096 kbps/ 6144 kbps/ 8192 kbps/ 1024 kbps/ 15360 kbps/ 2048 kbps/ 2048 kbps/ 6144 kbps/ 8192 kbps/ 1024 kbps/ 15360 kbps/ 2048 kbps/ 2048 kbps/ 5500 kbps/ 35840 kbps/ 35840 kbps/ 4096 kbps/ 51200 kbps Protocol: IPv6: TCP/IP UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* *The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: Up to 16 camera images can be displayed simultaneously on a multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen: (Including the camera itself) SDXC/SDHC/SD memory card: 4 4 GB, 8 GB, 16 GB, 32 GB, 512 GB SDMC memory card: 2 GB | JPEG (MJPEG) | |
| ### Transmission type: PULL (Refresh interval) / PUSH (MJPEG) ### Refresh interval: ### Refresh O.5 fps / 0.3 fps / 0.5 fps / 1 fps / 2 fps / 5 fps / 6 fps / 10 fps / 3 fps / 4.2 fps / 5 fps / 8 fps / 0.42 fps / 1 fps / 2.1 fps / 3.1 fps / 4.2 fps / 5 fps / 8 fps / 5 fps / 8 fps / 0.42 fps / 5 fps / 2 fps / 5 fps / 8 fps / 5 fps / 8 fps / 5 fps / 8 fps / 3 fps / 4.2 fps / 5 fps / 8 fps / 3 fps / 4.2 fps / 5 fps / 3 fps / 4.2 fps / 5 fps / 3 fps / 4.2 fps / 5 fps / 3 fps / 4.2 fps / 5 fps / 3 fps / 4.2 fps / 5 fps / 4 fps | | |
| Refresh interval: 30 fps mode 0.1 tps/ 0.2 tps/ 0.33 tps/ 0.5 fps/ 1 tps/ 2 tps/ 3 tps/ 5 tps/ 6 tps/ 10 fps/ 12 fps/ 30 fps* 15 fps/ 30 fps* 125 fps mode 0.08 tps/ 0.17 tps/ 0.28 tps/ 0.42 tps/ 1 tps/ 2.1 tps/ 3.1 tps/ 4.2 tps/ 5 fps/ 8.3 tps/ 12.5 fps/ 25 fps* (| | i ' |
| 30 fps mode 0.1 fps/ 0.2 fps/ 0.33 fps/ 0.5 fps/ 1 fps/ 2 fps/ 3 fps/ 5 fps/ 6 fps/ 10 fps/ 12 fps/ 15 fps/ 30 fps* 125 fps mode 0.08 fps/ 0.17 fps/ 0.28 fps/ 0.42 fps/ 1 fps/ 2.1 fps/ 3.1 fps/ 4.2 fps/ 5 fps/ 8.3 fps/ 12.5 fps/ 25 fps* (JPEG frame rates are limited when using JPEG and H.265/H.264 simultaneously). * ■ **3455 only * **3455 only | | 1 , , , , , , , , , , , , , , , , , , , |
| 0.1 fps/ 0.2 fps/ 0.3 fps/ 0.3 fps/ 1 fps/ 2 fps/ 3 fps/ 5 fps/ 6 fps/ 10 fps/ 12 fps/ 16 fps/ 30 fps* 10 fps/ 12 fps/ 16 fps/ 30 fps* 10 fps/ 12 fps/ mode] 0.08 fps/ 0.17 fps/ 0.28 fps/ 0.42 fps/ 1 fps/ 2.1 fps/ 3.1 fps/ 4.2 fps/ 5 fps/ 8.3 fps/ 12.5 fps/ 25 fps* (UPEG frame rates are limited when using JPEG and H.265/H.264 simultaneously.) * ▼165 only ▼165 only ▼165 only ▼165 only ▼165 only ■ 165 only ■ 16 | | |
| 10 fps/ 12 fps/ 30 fps* 225 fps mode | | |
| 0.08 fps/ 0.17 fps/ 0.28 fps/ 0.42 fps/ 1 fps/ 2.1 fps/ 3.1 fps/ 4.2 fps/ 5 fps/ 8.3 fps/ 12.5 fps/ 25 fps* (JPEG frame rates are limited when using JPEG and H.265/H.264 simultaneously.) * ■ \$4155 only Smart coding: GPP (Group of pictures) control On (Frame rate control)* / On (Advanced) are only available with H.265. Auto VIOS On/ Off Audio compression method: G.726 (ADPCM): 16 kbps/ 32 kbps G.711: 64 kbps/ 32 kbps G.711: 64 kbps/ 96 kbps/ 128 kbps AAC-LC *4*: 64 kbps/ 96 kbps/ 128 kbps/ 512 kbps/ 768 kbps/ 1024 kbps/ 128 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ 10240 kbps/ 15800 kbps/ 2048 kbps/ 2498 kbps/ 4096 kbps/ 6144 kbps/ 8192 kbps/ 10240 kbps/ 15800 kbps/ 51200 kbps/ 35840 kbps/ 40960 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SMMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DNF, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* | | 10 fps/ 12 fps/ 15 fps/ 30 fps* |
| 5 fps/ 8.3 fps/ 12.5 fps/ 25 fps* (JPEG frame rates are limited when using JPEG and H.265/H.264 simultaneously) * ■ \$155 only Smart coding: GOP (Group of pictures) control On (Frame rate control)* / On (Advanced)* / On (Mid) / On (Low) / Off* * On (Frame rate control) and On (Advanced) are only available with H.265. Auto VIOS On/ Off Audio compression method: G.726 (ADPCM): 16 kbps/ 32 kbps G.711: 64 kbps AAC-LC **4: 64 kbps/ 96 kbps/ 128 kbps Bandwidth control: Unlimited/ 64 kbps/ 128 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ 768 kbps/ 1024 kbps/ 1024 kbps/ 2048 kbps/ 2560 kbps/ 30720 kbps/ 10240 kbps/ 1530 kbps/ 20480 kbps/ 25600 kbps/ 30720 kbps/ 10240 kbps/ 1530 kbps/ 20480 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* *The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: Maximum concurrent access number: Maximum concurrent access number: Maximum concurrent access number: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card: 4 GB, 8 GB, 16 GB, 32 GB SDMC memory card: 4 GB, 8 GB, 16 GB, 32 GB SDMC memory card: 2 GB SDMC memory card: 4 GB, 8 GB, 16 GB, 32 GB | | |
| (JPEG frame rates are limited when using JPEG and H.265/H.264 simultaneously.) * ● \$155 ● only Smart coding: GOP (Group of pictures) control On (Frame rate control)*/ On (Advanced)*/ On (Mid) / On (Low) / Off* * On (Frame rate control) and On (Advanced) are only available with H.265. Auto VIOS On/ Off Audio compression method: G.726 (ADPCM): 16 kbps/ 32 kbps G.711: 64 kbps AAC-LC *4! 64 kbps/ 96 kbps/ 128 kbps Unlimited/ 64 kbps/ 128 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ 768 kbps/ 10240 kbps/ 15360 kbps/ 2048 kbps/ 4096 kbps/ 30720 kbps/ 10240 kbps/ 15360 kbps/ 20480 kbps/ 25600 kbps/ 30720 kbps/ 10240 kbps/ 15360 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* *The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) *Depends on network conditions Multi-screen: (Including the camera inages can be displayed simultaneously on a multi-screen. (Including the camera inages can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card: 4 GB, 8 GB, 16 GB, 32 GB SDHC memory card: 2 GB SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB SDHC memory card: 2 GB | | |
| simultaneously.) * ■\$4155 only GOP (Group of pictures) control On (Frame rate control)* / On (Advanced)* / On (Mid) / On (Low) / Off * On (Frame rate control)* and On (Advanced) are only available with H.265. Auto VIOS On/ Off Audio compression method: G.726 (ADPCM): 16 kbps/ 32 kbps G.711: 64 kbps AAC-LC *4: 64 kbps/ 96 kbps/ 128 kbps Bandwidth control: Unlimited/ 64 kbps/ 128 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ 768 kbps/ 1024 kbps/ 1024 kbps/ 2048 kbps/ 4096 kbps/ 6144 kbps/ 8192 kbps/ 10240 kbps/ 15360 kbps/ 51200 kbps/ 35840 kbps/ 40960 kbps/ 51200 kbps/ 35840 kbps/ 40960 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Windows 10 Microsoft Windows 20 Depends on network conditions Multi-screen: (Including the camera itself) SDXC/SDHC/SD memory card: 4 G4 GB, 128 GB, 256 GB, 512 GB SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB SDHC memory card: 2 GB SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB SDHC memory card: 2 GB SDHC memory card: 2 GB | | |
| Smart coding: GOP (Group of pictures) control On (Frame rate control) '/ On (Advanced) */ On (Mid) / On (Low) / Off* | | , , |
| Smart coding: GOP (Group of pictures) control On (Frame rate control) */ On (Advanced) */ On (Mid) / On (Low) / Off * * On (Frame rate control) */ On (Advanced) are only available with H.265. Auto VIQS On/ Off Audio compression method: G.726 (ADPCM): 16 kbps/ 32 kbps G.711: 64 kbps AAC-LC *4: 64 kbps/ 96 kbps/ 128 kbps Bandwidth control: Unlimited/ 64 kbps/ 128 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ 768 kbps/ 1024 kbps/ 1024 kbps/ 1024 kbps/ 1024 kbps/ 1024 kbps/ 1024 kbps/ 15360 kbps/ 20480 kbps/ 25600 kbps/ 30720 kbps/ 10240 kbps/ 15360 kbps/ 20480 kbps/ 25600 kbps/ 30720 kbps/ 35840 kbps/ 40960 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* *The certification is pre-installed. OS *5: User authentication, Host authentication, HTTPS*, Alteration detection of video file *The certification is pre-installed. OS *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) *Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen: (Including the camera itself) SDXC/SDHC/SD memory card: 4 GB, 8 GB, 16 GB, 32 GB SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB | | |
| On (Frame rate control)*/ On (Advanced)*/ On (Mid) / On (Low) / Off* | Cmart andings | |
| * On (Frame rate control) and On (Advanced) are only available with H.265. **Auto VIQS** On/ Off** Audio compression method: G.726 (ADPCM): 16 kbps/ 32 kbps G.711: 64 kbps AAC-LC *4: 64 kbps/ 96 kbps/ 128 kbps Bandwidth control: Unlimited/ 64 kbps/ 128 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ 768 kbps/ 1024 kbps/ 15360 kbps/ 2048 kbps/ 6144 kbps/ 8192 kbps/ 10240 kbps/ 15360 kbps/ 20480 kbps/ 25600 kbps/ 30720 kbps/ 35840 kbps/ 40960 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* *The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 41* (Number of sessions that can connect to cameras at the same time) *Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi- screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 128 GB, 256 GB, 512 GB SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB SDHC memory card: 2 GB | Smart coding: | |
| H.265. Auto VIQS On/ Off Audio compression method: G.726 (ADPCM): 16 kbps/ 32 kbps G.711: 64 kbps AAC-LC *4: 64 kbps/ 96 kbps/ 128 kbps Bandwidth control: Unlimited/ 64 kbps/ 128 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ 16240 kbps/ 10240 kbps/ 12860 kbps/ 20480 kbps/ 6144 kbps/ 8192 kbps/ 10240 kbps/ 15360 kbps/ 20480 kbps/ 20480 kbps/ 30720 kbps/ 35840 kbps/ 40960 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 10 Microsoft Windows 8.1 Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card: * SDXC memory card: 4 GB, 8 GB, 16 GB, 32 GB SDH memory card: 2 GB | | |
| Audio compression method: Audio compression method: G.726 (ADPCM): 16 kbps/ 32 kbps G.711: 64 kbps AAC-LC *4: 64 kbps/ 96 kbps/ 128 kbps Bandwidth control: Unlimited/ 64 kbps/ 128 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ 768 kbps/ 1024 kbps/ 2048 kbps/ 256 kbps/ 3814 kbps/ 512 kbps/ 10240 kbps/ 15360 kbps/ 20480 kbps/ 25600 kbps/ 30720 kbps/ 35840 kbps/ 40960 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SMMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 10 Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi- screen. (Including the camera itself) SDXC/SDHC/SD memory card: SDXC memory card: 4 GB, 8 GB, 16 GB, 32 GB SDHC memory card: 2 GB | | |
| On/ Off Audio compression method: G.726 (ADPCM): 16 kbps/ 32 kbps G.711: 64 kbps AAC-LC *4: 64 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ 768 kbps/ 1024 kbps/ 128 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ 768 kbps/ 1024 kbps/ 2048 kbps/ 4096 kbps/ 6144 kbps/ 8192 kbps/ 10240 kbps/ 15360 kbps/ 20480 kbps/ 25600 kbps/ 30720 kbps/ 35840 kbps/ 40960 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9; SDXC memory card: 64 GB, 128 GB, 256 GB, 512 GB SDMC memory card: 2 GB SDMC memory card: 2 GB | | |
| Audio compression method: G.726 (ADPCM): 16 kbps/ 32 kbps G.711: 64 kbps AAC-LC *4: 64 kbps/ 96 kbps/ 128 kbps Bandwidth control: Unlimited/ 64 kbps/ 128 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ 10240 kbps/ 1024 kbps/ 2048 kbps/ 4096 kbps/ 6144 kbps/ 8192 kbps/ 10240 kbps/ 15360 kbps/ 20480 kbps/ 25600 kbps/ 30720 kbps/ 35840 kbps/ 40960 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi- screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9; SDXC memory card: 4 GB, 8 GB, 15 GB, 32 GB SD memory card: 2 GB | | |
| G.711: 64 kbps AAC-LC *4: 64 kbps/ 96 kbps/ 128 kbps Bandwidth control: Unlimited/ 64 kbps/ 128 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ 768 kbps/ 1024 kbps/ 2048 kbps/ 20480 kbps/ 6144 kbps/ 8192 kbps/ 10240 kbps/ 15360 kbps/ 20480 kbps/ 25600 kbps/ 30720 kbps/ 35840 kbps/ 40960 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 8 GB, 16 GB, 32 GB SDHC memory card: 2 GB SD memory card: 2 GB | Audio compression method: | |
| Bandwidth control: Unlimited/ 64 kbps/ 128 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ 768 kbps/ 1024 kbps/ 2048 kbps/ 4096 kbps/ 6144 kbps/ 8192 kbps/ 10240 kbps/ 15360 kbps/ 20480 kbps/ 25600 kbps/ 30720 kbps/ 35840 kbps/ 40960 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP/RTCP, SMTP, DNCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDMC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | | |
| 768 kbps/ 1024 kbps/ 2048 kbps/ 4096 kbps/ 6144 kbps/ 8192 kbps/ 10240 kbps/ 15360 kbps/ 20480 kbps/ 25600 kbps/ 30720 kbps/ 35840 kbps/ 40960 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 4* (Number of sessions that can connect to cameras at the same time) access number: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDMC memory card: 64 GB, 128 GB, 256 GB, 512 GB SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | | AAC-LC *4: 64 kbps/ 96 kbps/ 128 kbps |
| 10240 kbps/ 15360 kbps/ 20480 kbps/ 25600 kbps/ 30720 kbps/ 35840 kbps/ 40960 kbps/ 51200 kbps Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. | Bandwidth control: | Unlimited/ 64 kbps/ 128 kbps/ 256 kbps/ 384 kbps/ 512 kbps/ |
| Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* | | 768 kbps/ 1024 kbps/ 2048 kbps/ 4096 kbps/ 6144 kbps/ 8192 kbps/ |
| Protocol: IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 8 GB, 16 GB, 32 GB SDHC memory card: 2 GB | | 10240 kbps/ 15360 kbps/ 20480 kbps/ 25600 kbps/ 30720 kbps/ |
| SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 8 GB, 15 GB, 32 GB SDHC memory card: 2 GB | | 35840 kbps/ 40960 kbps/ 51200 kbps |
| DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 64 GB, 128 GB, 256 GB, 512 GB SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | Protocol: | IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, |
| IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 64 GB, 128 GB, 256 GB, 512 GB SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | | SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, |
| SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 2 GB SDHC memory card: 2 GB | | |
| ICMP, ARP, IEEE 802.1X, DiffServ, SRTP Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) access number: * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | | |
| Security: User authentication, Host authentication, HTTPS*, Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) access number: * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 128 GB, 256 GB, 512 GB SDHC memory card: 2 GB SD memory card: 2 GB | | |
| Alteration detection of video file* * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | | |
| * The certification is pre-installed. OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | Security: | |
| OS *5: Microsoft Windows 10 Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 128 GB, 256 GB, 512 GB SDHC memory card: 2 GB SD memory card: 2 GB | | |
| Microsoft Windows 8.1 Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | 00 +5 | · |
| Browser *5: Internet Explorer 11 (32-bit) Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 128 GB, 256 GB, 512 GB SDHC memory card: 2 GB SD memory card: 2 GB | OS [~] : | |
| Microsoft Edge Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | Province *5 | |
| Firefox Google Chrome Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | DIOWSEI ": | |
| Google Chrome Maximum concurrent access number: * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | | |
| Maximum concurrent access number: 14* (Number of sessions that can connect to cameras at the same time) * Depends on network conditions Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | | |
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| Multi-screen: Up to 16 camera images can be displayed simultaneously on a multi-screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | | |
| screen. (Including the camera itself) SDXC/SDHC/SD memory card *6, *7, *8 *9: SDXC memory card: 4 GB, 128 GB, 256 GB, 512 GB SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | | · |
| (Including the camera itself) SDXC/SDHC/SD memory card SDXC memory card: 64 GB, 128 GB, 256 GB, 512 GB *6, *7, *8 *9: SDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | Maia Goroon. | |
| SDXC/SDHC/SD memory card | | |
| *6, *7, *8 *9 : SDHC memory card : 4 GB, 8 GB, 16 GB, 32 GB SD memory card: 2 GB | SDXC/SDHC/SD memory card | |
| SD memory card: 2 GB | | |
| | | |
| | | |

| Mobile terminal/ | iPad / iPhone (iOS 8 or later), Android TM terminals |
|--------------------------------|---|
| Tablet terminal compatibility: | |

- *1 H.265/H.264 can be selected for each stream.
- *2 When "Single PTZ" mode is used in wall installations, the 2560×1920 resolution cannot be used.
- *3 Transmission for 2 streams can be individually set.
- *4 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding Low Complexity) .
- *5 For information on the operation verification of the supported operating systems and web browsers, refer to our support website <Control No.: C0104, C0122>.
- *6 Refer to our support website <Control No.: C0107> for latest information about the compatible SD memory cards.
- *7 For possible number of images and duration (an indication) that can be saved on the SD memory card, refer to our support website below.
 Possible number of JPEG images that can be saved: <Control No.: C0306>
 - Possible duration of stream images (H.265 or H.264) that can be saved: <Control No.: C0307>
- *8 Use the microSD memory card with SD Speed Class 6 or higher. Use the microSD memory card that complies with UHS-1(Ultra High Speed-1) in the case of SD Speed Class 10.
- *9 When repeatedly recording images on an SD memory card using the auto overwrite function, make sure to use an SD memory card with high reliability and durability.

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