

About the description of Normal Power Consumption

- Power Consumption (Video distribution only) -

The power consumption described in the product (User manuals, product label and so on) is the maximum power consumption of this model.
The power consumption of "Normal Power Consumption (Power Consumption (Video distribution only))" is defined for each camera type as follows.
The models mounted the Heater and infrared lighting (IR LED) are stopped an operation.

1. 360-degree, Dome and Fixed Network camera

- 1) Adaptive black stretch (shutter and gain-up) is not in operation under a environment of sufficient illumination.
(When a light is not turned on in Camera with LED lighting , that is, when color video is distributed (not the black-and-white video))
- 2) The video is distributed to recorder and so on at 30 fps per stream and satisfies the following conditions:
H.264, Aspect ratio: 16: 9, Resolution: 1280 x 720
- 3) The audio is not distributed. (In case of microphone input or of camera with built-in microphone)
- 4) It is not written to SD memory card.

2. Pan / Tilt Network camera

In addition to above 1., 5) Pan, Tilt and Zoom functions are not operating at all.

3. BB / BL series Network camera

- 1) Pan, Tilt and Zoom functions are not operating at all.
- 2) The audio is not distributed.
- 3) It is not written to the SD memory card.

4. Encoder

- 1) The video is distributed to recorder and so on at 30 fps per stream and satisfies the following conditions:
H.264, D1 mode * In case of GXE 500, it is applied for all 4 Ch.
- 2) The audio is not distributed.
- 3) It is not written to the SD memory card.

Dome Network camera			
Product number	Power consumption (Display value)	Power consumption (Video distribution only)	Remarks
WV-S2531LTN WV-S2531LN WV-S2511LN	12V DC: 750 mA / Approx. 9.0 W PoE 48V DC: 195 mA / Approx. 9.4 W (Class 0 equipment)	12V DC: 357 mA / Approx. 4.3 W PoE 48V DC: 98 mA / Approx. 4.7 W (Class 0 equipment)	- In case of video distribution (H.265) only Super Dynamic is ON There is no access to the SD card A heater is not working
WV-S2131L WV-S2111L	12V DC: 560 mA / Approx. 6.8 W PoE 48V DC: 150 mA / Approx. 7.2 W (Class 0 equipment)	12V DC: 310 mA / Approx. 3.7 W PoE 48V DC: 91 mA / Approx. 4.4 W (Class 0 equipment)	- In case of video distribution (H.265) only Super Dynamic is ON There is no access to the SD card
WV-S2130 WV-S2110	PoE 48V DC: 110 mA / Approx. 5.3 W (Class 2 equipment) PoE 48V DC: 100 mA / Approx. 4.8 W (Class 2 equipment)	PoE 48V DC: 75 mA / Approx. 3.6 W (Class 2 equipment) PoE 48V DC: 75 mA / Approx. 3.6 W (Class 2 equipment)	- In case of video distribution (H.265) only Super Dynamic is ON There is no access to the SD card
WV-SFN311A	12V DC: 370 mA / Approx. 4.5 W PoE 48V DC: 90 mA / Approx. 4.3 W (Class 2 equipment)	12V DC: 330 mA / Approx. 4.0 W PoE 48V DC: 80 mA / Approx. 3.8 W (Class 2 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-SFN310A	12V DC: 710 mA / Approx. 8.5 W PoE 48V DC: 200 mA / Approx. 9.6 W (Class 0 equipment)	PoE 48V DC: 77 mA / Approx. 3.7 W (Class 2 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-SFV311A	12V DC: 710 mA / Approx. 8.5 W PoE 48V DC: 200 mA / Approx. 9.6 W (Class 0 equipment)	12V DC: 290 mA / Approx. 3.5 W PoE 48V DC: 90 mA / Approx. 4.3 W (Class 0 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card The heater is not working
WV-SFV310A	12V DC: 710 mA / Approx. . 8.5 W PoE 48V DC: 200 mA / Approx. . 9.6 W (Class 0 equipment)	12V DC: 290 mA / Approx. . 3.5 W PoE 48V DC: 89 mA / Approx. . 4.3 W (Class 0 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card The heater is not working
WV-SFV781L	12V DC: 1050 mA / 12.6 W PoE 48V DC: 265 mA / Approx. 12.95 W (Class 0 equipment) (*1)	12V DC: 430 mA / 5.2 W PoE 48V DC: 131 mA / Approx. 6.3 W (Class 0 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card The heater is not working
WV-SFV531	12V DC: 750 mA / Approx. 9 W PoE 48V DC: 210 mA / Approx. 10.1 W (Class 0 equipment)	12V DC: 350 mA / Approx. 4.2 W PoE 48V DC: 100 mA / Approx. 4.8 W (Class 0 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card The heater is not working
WV-SFN531	12V DC: 450 mA / Approx. 5.4 W PoE 48V DC: 110 mA / Approx. 5.3 W (Class 2 equipment)	12V DC: 410 mA / Approx. 4.9 W PoE 48V DC: 100 mA / Approx. 4.8 W (Class 2 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-SFV631LT WV-SFV631L	12V DC: 1080 mA / Approx. 12.9 W PoE 48V DC: 270 mA / Approx. 12.95 W (Class 0 equipment) (*1)	12V DC: 370 mA / Approx. 4.4 W PoE 48V DC: 110 mA / Approx. 5.1 W (Class 0 equipment)	- Model with heater - In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-SFV611L	12V DC: 1010 mA / Approx. 12.1 W PoE 48V DC: 270 mA / Approx. 12.95 W (Class 0 equipment) (*1)	12V DC: 310 mA / Approx. 3.6 W PoE 48V DC: 90.0 mA / Approx. 4.2 W (Class 0 equipment)	- Model with heater - In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-SFN631L	12V DC: 760 mA / Approx. 9.1 W PoE 48V DC: 240 mA / Approx. 11.1 W (Class 0 equipment)	12V DC: 370 mA / Approx. 4.4 W PoE 48V DC: 110 mA / Approx. 5.1 W (Class 0 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-SFN611L	12V DC: 690 mA / Approx. 8.2 W PoE 48V DC: 200 mA / Approx. 9.4 W (Class 0 equipment)	12V DC: 310 mA / Approx. 3.6 W PoE 48V DC: 90.0 mA / Approx. 4.2 W (Class 0 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card

Product number	Power consumption (Display value)	Power consumption (Video distribution only)	Remarks
WV-SFV130 WV-SFV130M WV-SFV110 WV-SFV110M	PoE 48V DC: 90 mA / Approx. 4.3 W (Class 2 equipment)	PoE 48V DC: 79 mA / Approx. 3.8 W (Class 2 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-SFN130	PoE 48V DC: 90 mA / Approx. 4.3 W (Class 2 equipment)	PoE 48V DC: 79 mA / Approx. 3.8 W (Class 2 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card

* 1 Maximum power consumption on the power receiving side of the camera

Multi-sensor Network camera			
Product number	Power consumption (Display value)	Power consumption (Video distribution only)	Remarks
WV-X8570N Added on Jun.14,'18	PoE 48V DC: 265 mA / Approx. 12.95 W (Class 0 equipment)	PoE 48V DC: 190 mA / Approx. 9.1 W (Class 0 equipment)	- In case of 4-sensor x H.265, 8-video-distribution Super Dynamic is ON There is no access to the SD card
WV-S8530N Added on Jun.14,'18	PoE 48V DC: 210 mA / Approx. 10.1 W (Class 0 equipment)	PoE 48V DC: 139 mA / Approx. 6.7 W (Class 0 equipment)	- In case of 4-sensor x H.265, 8-video-distribution Super Dynamic is ON There is no access to the SD card

Fixed Network camera			
Product number	Power consumption (Display value)	Power consumption (Video distribution only)	Remarks
WV-S2550L Added on Jun.14,'18	12V DC: 840 mA / Approx. 10.2 W PoE 48V DC: 220 mA / Approx. 10.6 W (Class 0 equipment)	12V DC: 309 mA / Approx. 3.7 W PoE 48V DC: 86 mA / Approx. 4.1 W (Class 0 equipment)	- In case of video distribution (H.265) only Super Dynamic is ON There is no access to the SD card The heater is not working
WV-S2250L Added on Jun.14,'18	12V DC: 840 mA / Approx. 10.2 W PoE 48V DC: 220 mA / Approx. 10.6 W (Class 0 equipment)	12V DC: 309 mA / Approx. 3.7 W PoE 48V DC: 86 mA / Approx. 4.1 W (Class 0 equipment)	- In case of video distribution (H.265) only Super Dynamic is ON There is no access to the SD card The heater is not working
WV-S1531LTN WV-S1531LN WV-S1511LN WV-S1531LNS Added on Oct.19,'17	12V DC: 750 mA / Approx. 9.0 W PoE 48V DC: 195 mA / Approx. 9.4 W (Class 0 equipment)	12V DC: 357 mA / Approx. 4.3 W PoE 48V DC: 99 mA / Approx. 4.8 W (Class 0 equipment)	- In case of video distribution (H.265) only Super Dynamic is ON There is no access to the SD card The heater is not working
WV-S1131 WV-S1111 WV-S1112	12V DC: 460 mA / Approx. 5.6 W PoE 48V DC: 120 mA / Approx. 5.8 W (Class 2 equipment)	12V DC: 266 mA / Approx. 3.2 W PoE 48V DC: 79 mA / Approx. 3.8 W (Class 2 equipment)	- In case of video distribution (H.265) only Super Dynamic is ON There is no access to the SD card
WV-SPW631LT WV-SPW631L WV-SPW611L	12V DC: 1080 mA / Approx. 12.9 W PoE 48V DC: 360 mA / Approx. 12.95 W (Class 0 equipment) (*1)	12V DC: 350 mA / Approx. 4.2 W PoE 48V DC: 120 mA / Approx. 5.8 W (Class 0 equipment) (*1)	- Model with heater - In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-SPW611	12V DC: 670mA / Approx. 8.1 W PoE 48V DC: 230 mA / Approx. 11.1 W (Class 0 equipment) (*1)	12V DC: 294 mA / Approx. 3.5 W PoE 48V DC: 108 mA / Approx. 5.2 W (Class 0 equipment) (*1)	- Model with heater - In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-SPN531A	12V DC: 500 mA / Approx. 6.0 W PoE 48V DC: 120 mA / Approx. 5.8 W (Class 2 equipment)	12V DC: 350 mA / Approx. 4.2 W PoE 48V DC: 90 mA / Approx. 4.3 W (Class 2 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-SPN311A	12V DC: 450 mA / Approx. 5.4 W PoE 48V DC: 110 mA / Approx. 5.3 W (Class 2 equipment)	12V DC: 450 mA / Approx. 5.4 W PoE 48V DC: 110 mA / Approx. 5.3 W (Class 2 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-SPW311AL	12V DC: 770 mA / Approx. 9.2 W PoE 48V DC: 200 mA / Approx. 9.6 W (Class 0 equipment)	12V DC: 330 mA / Approx. 4.0 W PoE 48V DC: 100 mA / Approx. 4.8 W (Class 0 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card The heater is not working
WV-SPV781L	12V DC: 1050 mA / 12.6 W PoE 48V DC: 265 mA / Approx. 12.95 W (Class 0 equipment) (*1)	12V DC: 430 mA / 5.2 W PoE 48V DC: 131 mA / Approx. 6.3 W (Class 0 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card The heater is not working
WV-SPN631	12V DC: 430 mA / Approx. 5.1 W PoE 48V DC: 130 mA / Approx. 6.0 W (Class 0 equipment) (*1)	12V DC: 337 mA / Approx. 4.0 W PoE 48V DC: 100 mA / Approx. 4.8 W (Class 0 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-SPN611	12V DC: 390 mA / Approx. 4.6 W PoE 48V DC: 120 mA / Approx. 5.6 W (Class 0 equipment) (*1)	12V DC: 292 mA / Approx. 3.5 W PoE 48V DC: 86.4 mA / Approx. 4.2 W (Class 0 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-S1132	12V DC: 276 mA / Approx. 3.3 W PoE 48V DC: 80 mA / Approx. 3.1 W (Class 2 equipment)	12V DC: 337 mA / Approx. 4.1 W PoE 48V DC: 93.6 mA / Approx. 4.5 W (Class 2 equipment)	- In case of video distribution (H.265) only Super Dynamic is ON There is no access to the SD card
WV-SPW531AL WV-SPW311AL	12V DC: 330 mA / Approx. 4.0 W PoE 48V DC: 100 mA / Approx. 4.8 W (Class 0 equipment)	12V DC: 770 mA / Approx. 9.2W PoE 48V DC: 200 mA / Approx. 9.6W (Class 0 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-S2231L WV-S2211L	12V DC: 560 mA / Approx. 6.8 W PoE 48V DC: 150 mA / Approx. 7.2 W (Class 0 equipment)	12V DC: 310 mA / Approx. 3.7 W PoE 48V DC: 91 mA / Approx. 4.4 W (Class 0 equipment)	- In case of video distribution (H.265) only Super Dynamic is ON There is no access to the SD card
WV-SP105	12V DC: 152.2 mA / Approx. 1.8 W PoE 48V DC: 48.8 mA / Approx. 2.3 W (Class 2 equipment)	12V DC: 112.4 mA / Approx. 2.0 W PoE 48V DC: 53.0 mA / Approx. 2.5 W (Class 2 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card
WV-SP102	12V DC: 140 mA / Approx. 7.7 W PoE 48V DC: 41.7 mA / Approx. 2.0 W (Class 2 equipment)	12V DC: 121.3 mA / Approx. 1.5 W PoE 48V DC: 39.3 mA / Approx. 1.9 W (Class 2 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card

*1: Maximum power consumption on the power receiving side of the camera

360-degree Network camera			
Product number	Power consumption (Display value)	Power consumption (Video distribution only)	Remarks
WV-SFV481 WV-SFN480	12V DC: 910 mA / Approx. 10.9 W PoE 48V DC: 200 mA / Approx. 9.6 W (Class 0 equipment)	12V DC: 570 mA / Approx. 6.9 W PoE 48V DC: 135 mA / Approx. 2.0 W (Class 0 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card

Pan / Tilt / Zoom			
Product number	Power consumption (Display value)	Power consumption (Video distribution only)	Remarks
WV-X6531N WV-X6511N WV-X6531NS	24V AC: 3.4 A / Approx. 55 W Designated PoE power supply device (Injector: 60 W) 54V DC: Approx. 1.0 A / Approx. 50 W PoE + 54V DC: 470 mA / Approx. 25 W (Class 4 equipment)	24V AC: 735 mA / 10.2 W Designated PoE power supply device (Injector: 60 W) 54V DC: Approx. 182 mA / Approx. 9.8 W PoE + 54V DC: Approx. 172 mA / Approx. 9.3 W (Class 4 equipment)	- In case of video distribution (H.265) only Super Dynamic is ON There is no access to the SD card The heater is not working
WV-S6530N WV-S6530NS	24V AC: 2.7 A / Approx. 43 W PoE + 54V DC: 430 mA / Approx. 22 W (Class 4 equipment)	24V AC: 595 mA / Approx. 8.1 W PoE + 54V DC: 143 mA / Approx. 7.7 W (Class 4 equipment)	- In case of video distribution (H.265) only Super Dynamic is ON There is no access to the SD card Pan / tilt operation is not working
WV-S6131 WV-S6111	12V DC: 1 A / Approx. 12 W PoE 48V DC: 250 mA / 12 W (Class 0 equipment)	12V DC: 540 mA / Approx. 6.5 W PoE 48V DC: 149 mA / Approx. 7.2 W (Class 0 equipment)	- In case of video distribution (H.265) only Super Dynamic is ON There is no access to the SD card Pan / tilt operation is not working
WV-S6130	12V DC: 1 A / 12 W PoE 48V DC: 250 mA / 12 W (Class 0 equipment)	12V DC: 619 mA / Approx. 7.4 W PoE 48V DC: 178 mA / Approx. 8.5 W (Class 0 equipment)	- In case of video distribution (H.265) only Super Dynamic is ON There is no access to the SD card Pan / tilt operation is not working
Pan / Tilt / Zoom			
Product number	Power consumption (Display value)	Power consumption (Video distribution only)	Remarks
WV-SUD638	100 to 240V AC (*2) 50 Hz / 60 Hz: 1.4 A / Approx. 61 W Designated PoE power supply device (Injector: 60 W) 54V DC: 1A / Approx. 51 W [When Expansion Unit (IR LED Unit) is Installed] 100 to 240V AC (*2) 50 Hz / 60 Hz: 1.6 A / Approx. 71 W Designated PoE power supply device (Injector: 60 W) 54V DC: 1A / Approx. 51 W	100 to 240V AC (*2) 50 Hz / 60 Hz: 310 mA / Approx. 12 W Designated PoE power supply device (Injector: 60 W) 54V DC: 280 mA / Approx. 12 W	- In case of video distribution (H.264) only Pan / tilt operation is not working The heater is not working IR LED unit is not mounted
WV-SW598 WV-SW598A WV-SW397B	24V AC (*3) : 3.5 A / Approx. 55 W Designated PoE power supply device (Injector: 60 W) 54V DC: Approx. 1.0 A / Approx. 50 W PoE + 54V DC: 470 mA / Approx. 25 W (Class 4 equipment)	24V AC (*3) : 720 mA / 10 W Designated PoE power supply device (Injector: 60 W) 54V DC: Approx. 175 mA / Approx. 9.5 W PoE + 54V DC: Approx. 165 mA / Approx. 9 W (Class 4 equipment) March 2017 or later (*4) 24V AC (*3) : 735 mA / Approx. 10.2 W Designated PoE power supply device (Injector: 60 W) 54V DC: Approx. 182 mA / Approx. 9.8 W PoE + 54V DC: Approx. 172 mA / Approx. 9.3 W (Class 4 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card Pan / tilt operation is not working The heater is not working
WV-SC588A WV-SC387A	12V DC : 1.0 A/12 W PoE 48V DC : 250 mA/Approx. 12 W (Class 0 equipment)	12V DC : 500 mA/6 W PoE 48V DC : 160 mA/Approx. 8 W (Class 0 equipment)	- In case of video distribution (H.264) only Super Dynamic is ON There is no access to the SD card Pan / tilt operation is not working

*2: The recommended voltage level range of AC for i-PRO products is within +/-10%.

*3: The recommended voltage level range of power supply (AC 24V) for i-PRO products is within +/-10%. (Maximum permissible range is within +/- 15%)

*4: Power consumption is raised due to the performance improvement since the firmware was released on March, 2017

(Please refer to [this firmware download page](#) for details)