



Preliminary

New S-series wide lineup high resolution network camera with AI engine 4K (8MP) Vandal Resistant Indoor Dome Network Camera

The 5MP/6MP/4K varifocal lens model, a high-resolution network camera will be added to the lineup of the well-established new S series.

Equipped with an AI processor, it can run up to three AI analytics applications (AI apps) simultaneously, which significantly improve the detection rate of people and vehicles and can be used in a wide range of surveillance scenes.

It realizes high-quality and clearer images even in low-light and wide-range shooting scenes. With the released of total 34 models, including fixed focus, black body, smoke dome, and derivative models such as heavy salt damage resistant models, to support a wide variety of security monitoring applications.

3 AI Apps operation at same time

- Up to 3 AI apps can be operated at the same time from the wide variety.

Using Al processor which identifies object as people or vehicle, it will reduce false alarm compared to conventional model. As result, it can be used many industries.

High image quality / High compression

- Our original smart coding technology compatible with H.264 and H.265 delivers high-resolution video at high image quality and low bit rate. Achieved useful images by combining with highly visible images by the intelligent auto (iA) function.

Easy setting and installation

- Easy Kitting Package enabling installers to configure cameras easily while keeping the unit in the box. The grommet on the outdoor model can reduce the time and effort required for installation.

User-friendly GUI (setting while watching Live view, etc.) allows you to set comfortably.

iCT tool allows you to set multiple cameras, apps, and recorders all at once, reducing the camera setting time.

High security

- Equipped with FIPS 140-2 level 3 certified hardware in addition to the digital certificate issued by a third party organization (Global Sign).

Key i-PRO Spec.

- 4K (8MP)
- Intelligent Auto (with AI Engine)
- Super Dynamic 132dB
- Color night vision (0.04 to 0.06 lx)
- Smart Coding (with Al Engine)
- Built-in IR LED
- Vandal Resistant
- ONVIF[®] Profile G / M / S / T *ONVIF is a trademark of ONVIF, Inc.

Industry examples

- Airport (Passport control / Security checkpoint / Ticket counter)
- Retail / Bank / Education / Hospital / Building





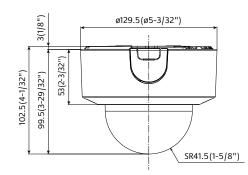
Specifications

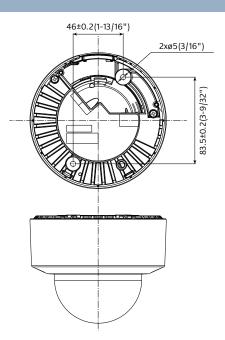
Camera		A 4/4 0 1 CHOS:			
	Image Sensor	Approx. 1/1.8 type CMOS image sensor			
	Minimum Illumination	Color : 0.04 lx (30IRE, F1.5, 1/30s) *1			
		Color : 0.06 lx (50IRE, F1.5, 1/30s)			
		BW : 0.03 lx (50IRE, F1.5, 1/30s)			
		BW : 0 lx(50IRE, F1.5,1/30s with IR LED)			
	White Balance	ATW1 / ATW2 / AWC			
	Shutter Speed	[30fps/15fps mode] 1/30 Fix to 1/10000 Fix			
		[25fps/12.5fps mode] 1/25 Fix to 1/10000 Fix			
	Intelligent Auto	On / Off			
	Super Dynamic*2	On / Off, The level can be set in the range of 0 to 31.			
	Dynamic Range	Max.132 dB (Super Dynamic : On, Level 31)			
	Adaptive Black Stretch	The level can be set in the range of 0 to 255.			
	Back light compensation /	BLC (Back light compensation) / HLC (High light compensation) / Off			
	High light compensation	(only when Super dynamic / Intelligent Auto : Off)			
	Fog compensation	On / Off (only when Intelligent auto / auto contrast adjust : Off) The level can be set in the range of 0 to 11.			
	Maximum gain (AGC)				
	Color/BW (ICR)	Off / On (IR Light Off) / On (IR Light On) / Auto1 (IR Light Off) / Auto2 (IR Light On) / Auto3 (SCC)			
	IR LED Light	High / Middle / Low / Off,			
	5	Maximum irradiation distance : 50 m {Approx. 164 ft} (30IRE) *1 35 m {Approx. 115 ft} (50IRE)			
	Digital Noise Reduction	The level can be set in the range of 0 to 255.			
	Video Motion Detection (VMD)	On / Off, 4 areas available			
	Scene Change Detection (SCD)	On / Off, 1 areas available			
	Audio Detection	On / Off			
	Al Sound Classification	Gunshot, Yell, Vehicle horn, Glass break			
	Al Analytics	Yes			
	Privacy Zone	On / Off, Up to 8 zones available			
	VIQS	On / Off, Up to 8 zones available			
	Image rotation ^{*3}	0°/90°/180°/270°			
	Camera Title (OSD)	On / Off, Up to 40 characters (alphanumeric characters, marks)			
	Focus Adjustment	Auto focus			
Lens	Optical zoom	2.0x (Motorized zoom / Motorized Focus)			
	Extra zoom	2.0x - 6.0x (when resolution is 1280 x 720)			
	Focal length	4.3 - 8.6 mm {5/32 inches - 11/32 inches}			
		4.3 - 8.6 mm {5/32 inches - 11/32 inches} [16 : 9 mode] *[4:3 mode] is not supported.			
	Focal length Angular Field of View	4.3 - 8.6 mm {5/32 inches - 11/32 inches} [16 : 9 mode] * [4:3 mode] is not supported. Horizontal : 52° (TELE) – 101° (WIDE), Vertical : 29° (TELE) – 55° (WIDE)			
	Focal length Angular Field of View Maximum Aperture Ratio	4.3 - 8.6 mm (5/32 inches - 11/32 inches) [16 : 9 mode] "[4:3 mode] is not supported. Horizontal : 52° (TELE) - 101° (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1.1.5 (WIDE) - 1: 2.4 (TELE)			
	Focal length Angular Field of View	4.3 - 8.6 mm {5/32 inches - 11/32 inches} [16 : 9 mode] * [4:3 mode] is not supported. Horizontal : 52° (TELE) – 101° (WIDE), Vertical : 29° (TELE) – 55° (WIDE)			
DORI	Focal length Angular Field of View Maximum Aperture Ratio	4.3 - 8.6 mm (5/32 inches - 11/32 inches) [16 : 9 mode] "[4:3 mode] is not supported. Horizontal : 52° (TELE) - 101° (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1.1.5 (WIDE) - 1: 2.4 (TELE)			
DORI	Focal length Angular Field of View Maximum Aperture Ratio Focus range	4.3 - 8.6 mm [5/32 inches - 11/32 inches] [16 : 9 mode] *[4:3 mode] is not supported. Horizontal : 52° (TELE) - 10° (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1.1.5 (WIDE) - 1 : 2.4 (TELE) 1.0 m (39-3/8 inches) - ∞			
DORI	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf)	4.3 - 8.6 mm {5/32 inches - 11/32 inches} [16 : 9 mode] * [4:3 mode] is not supported. Horizontal : 52° (TELE) – 10° (WIDE), Vertical : 29° (TELE) – 55° (WIDE) 1: 1.5 (WIDE) – 1: 2.4 (TELE) 1.0 m (39-3)8 inches} - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft			
DORI	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf)	4.3 - 8.6 mm [5/32 inches - 11/32 inches] [16 : 9 mode] '[4:3 mode] is not supported. Horizontal : 52' (TELE) - 10' (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1 : 1.5 (WIDE) - 1 : 2.4 (TELE) 1.0 m (39-3)8 inches] - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 25.3 m / 83.1 ft, Tele: 63.0 m / 206.6 ft			
	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19pf) Recognize (125ppm / 38pf) Identify (250ppm / 76pf)	4.3 - 8.6 mm [5/32 inches - 11/32 inches] [16 : 9 mode] *[4:3 mode] is not supported. Horizontal : 52° (TELE) - 101° (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1.1.5 (WIDE) - 1: 2.4 (TELE) 1.0 m (39-3/8 inches) - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 25.3 m / 83.1 ft, Tele: 63.0 m / 206.6 ft Wide: 12.7 m / 41.5 ft, Tele: 31.5 m / 103.3 ft			
Adjusting	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19pf) Recognize (125ppm / 38pf) Identify (250ppm / 76pf)	4.3 - 8.6 mm [5/32 inches - 11/32 inches] [16 : 9 mode] *[4:3 mode] is not supported. Horizontal : 52° (TELE) - 10° (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1.1.5 [WIDE] - 1: 2.4 (TELE) 1.0 m (39-3/8 inches] - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 25.3 m / 83.1 ft, Tele: 63.0 m / 206.6 ft Wide: C.3 m / 20.8 ft, Tele: 15.7 m / 103.3 ft Wide: 63.0 m / 20.8 ft, Tele: 15.7 m / 51.7 ft			
Adjusting Browser	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle	$\begin{array}{l} 4.3 - 8.6 \mbox{ mm } \{5/32 \mbox{ inches - 11/32 \mbox{ inches}\} \\ \hline \begin{tabular}{lllllllllllllllllllllllllllllllllll$			
Adjusting Browser	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control	4.3 - 8.6 mm [5/32 inches - 11/32 inches] [16 : 9 mode] *[4:3 mode] is not supported. Horizontal : 52° (TELE) - 101° (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1.1.5 (WIDE) - 1: 2.4 (TELE) 1.0 m (39-3/8 inches) - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 25.3 m / 83.1 ft, Tele: 63.0 m / 206.6 ft Wide: 2.7 m / 41.5 ft, Tele: 31.5 m / 103.3 ft Wide: 6.3 m / 20.8 ft, Tele: 15.7 m / 51.7 ft Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High			
Adjusting Browser	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio	4.3 - 8.6 mm [5/32 inches - 11/32 inches] [16 : 9 mode] '[4:3 mode] is not supported. Horizontal : 52° (TELE) - 101° (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1.5 (WIDE) - 1: 2.4 (TELE) 1.0 m (39-3/8 inches) - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 12.7 m / 41.5 ft, Tele: 63.0 m / 206.6 ft Wide: 12.7 m / 41.5 ft, Tele: 15.7 m / 51.7 ft Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off			
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Adjusting Browser GUI	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5pm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language Browser '4	$\begin{array}{l} 4.3 - 8.6 \mbox{ mm } [5/32 \mbox{ inches - 11/32 \mbox{ inches }] \\ \hline \begin{tabular}{lllllllllllllllllllllllllllllllllll$			
Adjusting Browser GUI	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language	4.3 - 8.6 mm [5/32 inches - 11/32 inches] [16 : 9 mode] '[4:3 mode] is not supported. Horizontal : 52' (TELE) - 10' (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1 : 1.5 (WIDE) - 1 : 2.4 (TELE) 1.0 m [39-3]8 inches] - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 25.3 m / 83.1 ft, Tele: 31.5 m / 103.3 ft Wide: 63.3 m / 20.8 ft, Tele: 15.7 m / 517.ft Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T1, 1008ase-TX, R45 connector			
Adjusting Browser GUI	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language Browser ^{*4} Network IF Resolution	4.3 - 8.6 mm [5/32 inches - 11/32 inches] [16 : 9 mode] "[4:3 mode] is not supported. Horizontal : 52" (TELE) - 10" (WIDE), Vertical : 29° (TELE) - 55" (WIDE) 1 : 1.5 (WIDE) - 1 : 2.4 (TELE) 1.0 m (39-3)8 inches] - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 12.7 m / 41.5 ft, Tele: 63.0 m / 206.6 ft Wide: 12.7 m / 41.5 ft, Tele: 31.5 m / 103.3 ft Wide: 63.3 m / 20.8 ft, Tele: 15.7 m / 51.7 ft Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-TX, RJ45 connector [16-9 mode (30 fps mode)][16:9 mode (25 fps mode)]			
Adjusting Browser GUI	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language Browser '4 Network IF Resolution H.265/ H.264/ JPEG (MJPEG)	4.3 - 8.6 mm [5/32 inches - 11/32 inches] [16 : 9 mode] '[4:3 mode] is not supported. Horizontal : 52° (TELE) - 101° (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1.5 (WIDE) - 1: 2.4 (TELE) 1.0 m [39-3]8 inches] - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 12.7 m / 41.5 ft, Tele: 63.0 m / 206.6 ft Wide: 12.7 m / 41.5 ft, Tele: 63.0 m / 206.6 ft Wide: 25.3 m / 20.8 ft, Tele: 15.7 m / 51.7 ft Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Wic Uine) Input : 0n / Off Volume adjustment : Low / Middle / High Audio Output : 0n / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, RI45 connector [16:9 mode (36 fps mode)] 3840x2160/2560x1440/1920x1080/1280x720/640x360/320x180			
Adjusting Browser GUI	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 78ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language Browser '4 Network IF Resolution H.265/ I Transmission Mode	4.3 - 8.6 mm [5]32 inches - 11]32 inches] [16 : 9 mode] '[4:3 mode] is not supported. Horizontal : S2' (TELE) - 10' (WIDE). Vertical : 29° (TELE) - 55° (WIDE) 1: 1.5 (WIDE) - 1 : 2.4 (TELE) 1.0 m [39-3]8 inches] - ∞ Wide: 63.3 m / 207.7 t, Tele: 157.5 m / 516.6 ft Wide: 25.3 m / 83.1 ft, Tele: 63.0 m / 206.6 ft Wide: 12.7 m / 41.5 ft, Tele: 31.5 m / 103.3 ft Wide: 0.3 n / 20.8 ft, Tele: 15.7 m / 51.7 ft Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Microsoft Edge, Firefox, Google Chrome 108ase-T1 108ase-T4 108ase-T4 Microsoft Edge, Firefox, Google Chrome 108ase-T4 108ase-T4 108ase-T4 108ase-T4 108ase-T4 108ase-T4 11 11 11 12 13 14 14 15 16 17			
Adjusting Browser GUI	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language Browser ⁷⁴ Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.265/ Transmission Mode H.264*6	4.3 - 8.6 mm [5/32 inches - 11/32 inches] [16 : 9 mode] "[4:3 mode] is not supported. Horizontal : 52" (TELE) - 10" (MDE), Vertical : 29° (TELE) - 55" (WIDE) 1 : 1.5 (WIDE) - 1 : 2.4 (TELE) 1.0 m [39-3]8 inches] - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 12.7 m / 41.5 ft, Tele: 63.0 m / 206.6 ft Wide: 12.7 m / 41.5 ft, Tele: 31.5 m / 103.3 ft Wide: 6.3 m / 20.8 ft, Tele: 15.7 m / 51.7 ft Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Wic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T, 1008ase-TR, X445 connector [16:9 mode (30 fps mode)][16:9 mode (25 fps mode)] 3840A2160/2560x1440/1920x1080/1280x720/640x360/320x180 Constant bit rate / VBR / Frame rate / Best effort Unicast port (AUTO) / Unicast port (MANUAL) / Multicast			
Adjusting Browser GUI	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) JAngle Camera Control Audio GUI / Setup Menu Language Browser '4 Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.264' Transmission Type JPEG Image Quality	4.3 - 8.6 mm [5/32 lnches - 11/32 lnches] [16 : 9 mode] '[4:3 mode] is not supported. Horizontal : 52° ('TELE) - 101° (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1.5 (WIDE) - 1: 2.4 (TELE) 1.0 m [39-3/8 inches] - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 25.3 m / 83.1 ft, Tele: 63.0 m / 206.6 ft Wide: 12.7 m / 41.5 ft, Tele: 63.0 m / 206.6 ft Wide: 2.7 m / 41.5 ft, Tele: 31.5 m / 103.3 ft Wide: 6.3 m / 20.8 ft, Tele: 15.7.7 m / 51.7 ft Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Wic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, RI45 connector [16:9 mode [30 fps mode]][16:9 mode [25 fps mode]] 3840x2160/2560x1440/1920x1080/1280x720/640x360/320x180 Constant bit rate / VBR / Frame rate / Best effort Unicast port (AUTO) / Unicast port (MANUAL) / Multicast 10 steps			
Adjusting Browser GUI	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language Browser ⁷⁴ Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.265/ Transmission Mode H.264*6	4.3 - 8.6 mm [5]32 inches - 11]32 inches] [16 : 9 mode] '[4:3 mode] is not supported. Horizontal : 52' (TELE) - 10' (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1: 1.5 (WIDE) - 1: 2.4 (TELE) 1.0 m (39-3)8 inches] - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 25.3 m / 83.1 ft, Tele: 63.0 m / 206.6 ft Wide: 12.7 m / 41.5 ft, Tele: 31.5 m / 103.3 ft Wide: 12.7 m / 41.5 ft, Tele: 31.5 m / 103.3 ft Wide: 0.3 n / 20.8 ft, Tele: 15.7 m / 51.7 ft Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Wic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T/ 1008ase-TX, RJ45 connector [16:9 mode (30 fp mode)][16:9 mode (25 fps mode)] 3840x2160/2560x1440/1920x1080/1280x720/640x360/320x180 Constant bit rate / VBR / Frame rate / Best effort Unicast port (AUTO) / Unicast port (MANUAL) / Multicast 10 steps COP (Group of pictures control):			
Adjusting Browser GUI	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) JAngle Camera Control Audio GUI / Setup Menu Language Browser '4 Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.264' Transmission Type JPEG Image Quality	4.3 - 8.6 mm [5]32 inches - 11]32 inches] [16 : 9 mode] "[4:3 mode] is not supported. Horizontal : 52" (TELE) - 10" (MDE), Vertical : 29° (TELE) - 55" (WIDE) 1 : 1.5 (WIDE) - 1 : 2.4 (TELE) 1.0 m [39-3]8 inches] - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 12.7 m / 41.5 ft, Tele: 63.0 m / 206.6 ft Wide: 12.7 m / 41.5 ft, Tele: 31.5 m / 103.3 ft Wide: 63.3 m / 20.8 ft, Tele: 15.7 m / 51.7 ft Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase - T, 1008ase - TR, X445 connector [16:9 mode (30 fps mode)][16:9 mode (25 fps mode)] 3840A2160/2560x1440/1920x1080/1280x720[640x360]320x180 Constant bit rate / VBR / Frame rate / Best effort Unicast port (AUTO) / Unicast port (MANUAL) / Multicast 10 steps GOP (Group of pictures control]: Off Low (Variable COP 1s-8s)/ Mid (Variable GOP 4s-16s)/			
Adjusting Browser GUI	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) JAngle Camera Control Audio GUI / Setup Menu Language Browser '4 Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.264' Transmission Type JPEG Image Quality	4.3 - 8.6 mm [5/32 inches - 11/32 inches] [16 : 9 mode] "[4:3 mode] is not supported. Horizontal : 52° (TELE) - 10° (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1 : 1.5 (WIDE) - 1 : 2.4 (TELE) 1.0 m [39-3/8 inches] - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 12.7 m / 41.5 ft, Tele: 63.0 m / 206.6 ft Wide: 12.7 m / 41.5 ft, Tele: 15.7 m / 51.7 ft Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Wide (10) upt : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, RI45 connector [16:9 mode (30 fps mode)][16:9 mode (25 fps mode)] 3840x2160/2560x1440/1920x1080/1280x720/640x360/320x180 Constant bit rate / VBR / Frame rate / Best effort Unicast port (AUTO) / Unicast port (MANUAL) / Multicast 10 steps GOP (Group of pictures control): Off / Low (Variable GOP 1s-8s)/ Mid (Variable GOP 4s-16s)/ Advanced(Fixed GOP 6ts %s)/ Mid (Variable GOP 4s-16s)/			
Adjusting Browser GUI	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) JAngle Camera Control Audio GUI / Setup Menu Language Browser '4 Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.264' Transmission Type JPEG Image Quality	4.3 - 8.6 mm [5]32 inches - 11]32 inches] [16 : 9 mode] '[4:3 mode] is not supported. Horizontal : 52' (TELE) - 10' (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1: 1.5 (WIDE) - 1: 2.4 (TELE) 1.0 m (39-3]8 inches] - ∞ Wide: 63.3 m] 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 25.3 m / 83.1 ft, Tele: 63.0 m / 206.6 ft Wide: 12.7 m / 41.5 ft, Tele: 31.5 m / 103.3 ft Wide: 12.7 m / 41.5 ft, Tele: 31.5 m / 103.3 ft Wide: 0.3 m / 20.8 ft, Tele: 15.7 m / 51.7 ft Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Wide Unit : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, R45 Connector [16:9 mode (30 fp mode)][16:9 mode (25 fps mode)] 3840x2160/2560x1440/1920x1080/1280x720/640x360/320x180 Constant bit rate / VBR / Frame rate / Best effort Unicast port (AUTO) / Unicast port (MANUAL) / Multicast 10 steps GOP (Group of pictures control): Off Low (Variable GOP 1s-83)/ Mid (Variable GOP 4s-16s)/ Advanced(Fixed GOP 60s w/1s key-frame)/ Frame rate control (Variable GOP 4s-16s with frame rate control)			
DORI Adjusting Browser GUI Network	Focal length Angular Field of View Maximum Aperture Ratio Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) JAngle Camera Control Audio GUI / Setup Menu Language Browser '4 Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.264' Transmission Type JPEG Image Quality	4.3 - 8.6 mm [5/32 inches - 11/32 inches] [16 : 9 mode] "[4:3 mode] is not supported. Horizontal : 52° (TELE) - 10° (WIDE), Vertical : 29° (TELE) - 55° (WIDE) 1 : 1.5 (WIDE) - 1 : 2.4 (TELE) 1.0 m [39-3/8 inches] - ∞ Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft Wide: 12.7 m / 41.5 ft, Tele: 63.0 m / 206.6 ft Wide: 12.7 m / 41.5 ft, Tele: 15.7 m / 51.7 ft Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Wide (10) upt : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, RI45 connector [16:9 mode (30 fps mode)][16:9 mode (25 fps mode)] 3840x2160/2560x1440/1920x1080/1280x720/640x360/320x180 Constant bit rate / VBR / Frame rate / Best effort Unicast port (AUTO) / Unicast port (MANUAL) / Multicast 10 steps GOP (Group of pictures control): Off / Low (Variable GOP 1s-8s)/ Mid (Variable GOP 4s-16s)/ Advanced(Fixed GOP 6ts %s)/ Mid (Variable GOP 4s-16s)/			

Network	Audio Compression	G.726 (ADPCM) : 16 kbps / 32 kbps			
	nadio compression	G.711 : 64 kbps			
		AAC-LC ^{*7} : 64 kbps / 96 kbps / 128 kbps			
	Audio transmission mode	Off / Mic (Line) input / Audio output / Interactive (Half duplex) /			
	Addio cransmission mode	Interactive (Full duplex)			
	Supported Protocol	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3,			
	Supported Protocol	DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, SFTP, MOTT, LLDP			
		DHCPV0, KIP, MILD, ICMP, ARP, IEEE 802. IX, DITSERV, SFIP, MQTT, LLDP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP,			
	No. of Circulture and Linear	ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, SFTP, MQTT, LLDP			
-	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)			
	SDXC/SDHC/SD	H.265 / H.264 recording :			
	Memory Card	Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure			
		JPEG recording : Manual REC / Alarm REC (Pre/Post) / Backup upon network failure Compatible SDXC/SDHC/SD Memory Card : microSDXC memory card: 64 GB, 128 GB, 256 GB, 512 GB microSDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB			
		microSD memory card: 2 GB			
	Mobile Terminal Compatibility	iPad, iPhone(iOS 8.0 or later), Android™ terminals			
	ONVIF [®] Profile	G / M / S / T			
Alarm	Alarm Source	3 terminals input, VMD alarm, Command alarm, Audio detection alarm			
	Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification,			
		HTTP alarm notification Indication on browser,			
		TCP alarm notification output			
Input/	Monitor Output	VBS : 1.0 V [p-p] / 75 Ω, composite, Pin jack			
Output	(for adjustment)	An NTSC or PAL signal can be outputted from camera			
	Audio input	ø3.5 mm stereo mini jack			
	For microphone input :	Recommended applicable microphone : Plug-in power type			
		(Sensitivity of microphone : -51 dB to -38 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 : Approx. –10 dBV			
	Audio Output	ø3.5 mm stereo mini jack (monaural output)			
		Output impedance : Approx. 600 Ω (unbalanced)			
		Output level : -20 dBV			
	External I/O Terminals	ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1)			
		ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1)			
		ALARM IN 3 (Alarm input 3/ AUX OUT) (x1)			
General	Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1			
	EMC	FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55035			
	Power Source and	DC power supply : DC12 V 1.0 A, Approx. 12.0 W			
	Power Consumption	PoE (IEEE802.3af compliant) Device : DC48 V 240 mA, Approx. 11.5 W (Class 0 device)			
	Ambient Operating	-10 °C to +50 °C (14 °F to 122 °F)			
	Temperature	(Power On range: 0 °C to 50 °C {32°F to 122 °F})			
	Shock Resistance	IK10 (IEC 62262)			
	Ambient Operating Humidity	10 to 90 % (no condensation)			
	Dimensions	ø129.5 mm x 102.5 mm (H) {ø5-3/32 inches x 4-1/32 inches (H)}			
		Dome radius 41.5 mm {1-5/8 inches}			
	Mass (approx.)	800 g {1.77 lbs.}			
	Mass (approx.) Finish				
		800 g (1.// Ibs.) Main body : Aluminum die cast, i-PRO white Dome cover : Polycarbonate resin, Clear			

Converted value
When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.
When the 60 fps mode, 50 fps mode, 15 fps mode or 12.5 fps mode is used, the "90°" and "270" settings are not available. When the 320x180 resolution is used, the "90°" and "270°" settings are not available.
A For information on the operation verification of the supported web browsers, refer to our support website <Control No.: C0132>.
S Used by super resolution techniques.
Transmission for 4 streams can be individually set.
When recording audio on an microSD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity).

Appearance





Unit : mm (inches)

https://i-pro.com/global/en/surveillance/products/i-pro-ai-application

AI Video Motion Detection (AI-VMD)

Advanced video analysis technology detects objects (faces, people, cars, motorcycles) in a specified area. (Intruder Detection, Loitering Detection, Direction Detection, Cross Line Detection)

AI Privacy Guard

To protect privacy and portrait rights, it is possible to automatically apply a mosaic the entire face and figure of a person photographed by the camera.

AI Face Detection

Detects faces with high precision even in low-light, backlit, and mask-wearing environments.

AI People Detection

Extract the characteristics of human face / clothing and classify them into meaningful categories such as gender, age, and clothing color.

3rd party applications are also available.

https://i-pro.com/global/en/surveillance/i-pro-application-platform/application-list

Optional Accessories

AI Vehicle Detection

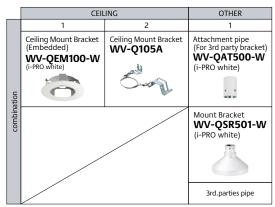
Extract vehicle characteristics and classify them into meaningful categories such as type and color.

AI Non mask Detection Deep-learning and proprietary image processing technologies recognize mask and detect people who are not wearing them.

AI Occupancy Detection

Detecting the congestion via network camera with AI engine enables that information to be used direct visitors in advance or help store staff work more efficiently.

N	Mount Bracket / Other									
	WALL		POLE	CORNER	HANGING					
combination	1	2	1	1	1	2				
	Wall Mount Bracket WV-QWL501-W (i-PRO white)	Wall Mount Bracket WV-QWL500-W (i-PRO white)	Pole Mount Bracket WV-QPL500-W (i-PRO white)	Corner Mount Bracket WV-QCN500-W (i-PRO white)	Ceiling Mount Bracket WV-QCL501-W (i-PRO white)	Ceiling Mount Bracket WV-QCL100-W 1 (i-PRO white)				
	Mount Bracket WV-QSR501-W (i-PRO white)	Adapter Box WV-QJB500-W (i-PRO white)	Wall Mount Bracket WV-QWL500-W(i-PRO white) (+ WV-QJB500-W) + 000 +	Wall Mount Bracket WV-QWL500-W(i-PRO white) (+ WV-QJB500-W) (+ WV-QJB500-W) +	Mount Bracket WV-QSR501-W (i-PRO white)	3rd.parties pipe				



Dome Cover



Trademarks and registered trademarks

- iPad and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.

- Android is a trademark of Google LLC.

- ONVIF is a trademark of ONVIF, Inc.

- All other trademarks identified herein are the property of their respective owners.

Important

Safety Precautions : Carefully read the Basic Information, Installation Guide and Operating Instructions before using this product.

i-PRO Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.

*1: It's possible to be used on the camera side and ceiling side. If used on both side, 2pieces are required.

Masses and dimensions are approximate.
 Specifications are subject to change without notice.



i-PRO Co., Ltd. https://i-pro.com/ (2A-334A)