

WV-S22500-V3L WV-S22500-V3LG

New S-series wide lineup high resolution network camera with AI engine 5MP 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 AI 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.

*The kitting process should be done within 1hour. The inside of the camera gets hot and may cause a malfunction.

High security

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

Key i-PRO Spec.

- 5MP
- Intelligent Auto (with Al Engine)
- Super Dynamic 132dB
- Color night vision (0.05 to 0.07 lx) (-V3LG : 0.15 to 0.20 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

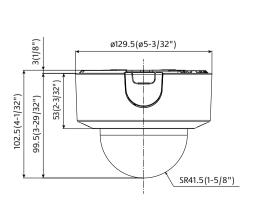
Camera			
_	Image Sensor	Approx. 1/2.8 type CMOS image sensor	
	Minimum Illumination	Color : 0.05 lx (-V3LG : 0.15 lx) (30IRE, F1.3, 1/30s) *1	
		Color : 0.07 lx (-V3LG : 0.20 lx) (50IRE, F1.3, 1/30s)	
		BW : 0.04 lx (-V3LG : 0.12 lx) (50IRE, F1.3, 1/30s)	
		BW : 0 lx (50IRE, F1.3, 1/30s with IR LED)	
	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 On / Off	
	Intelligent Auto		
	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)	
	Maximum gain (AGC)	The level can be set in the range of 0 to 11.	
	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,	
		Maximum irradiation distance : 40 m {Approx. 131 ft} (30IRE) *1	
		30 m {Approx. 98 ft} (50IRE)	
		(-V3LG): 25 m {Approx. 82 ft} (30IRE) *1	
		20 m {Approx. 66 ft} (50IRE)	
	Digital Noise Reduction	The level can be set in the range of 0 to 255.	
	Video Motion Detection (VMD)	Inc. text can be savilable On / Off, 4 areas available On / Off, 1 areas available Conshot, Yell, Vehicle horn, Glass break Yes On / Off, Up to 8 zones available On / Off, Up to 8 zones available On / Off, Up to 8 zones available On / Off, Up to 8 zones available	
	Scene Change Detection (SCD)		
	Audio Detection		
	AI Sound Classification		
	Al Analytics		
	Privacy Zone		
	VIQS		
	Image rotation ^{*3}		
	Camera Title (OSD)	On / Off, Up to 40 characters (alphanumeric characters, marks)	
	Focus Adjustment	Auto focus	
Lens	Optical zoom	3.1 x (Motorized zoom / Motorized Focus)	
	Extra zoom	3.1x - 9.3x (when resolution is 640 x 360)	
	Focal length	2.9 - 9 mm {1/8 inches - 11/32 inches}	
	Angular Field of View	[16 : 9 mode] Horizontal : 33° (TELE) - 105° (WIDE), Vertical : 19° (TELE) - 56° (WIDE)	
	<u></u>	[4:3 mode] Horizontal : 33° (TELE) - 105° (WIDE), Vertical : 25° (TELE) - 76° (WIDE)	
	Maximum Aperture Ratio	1:1.3 (WIDE) -1:2.5 (TELE)	
	Focus range	0.3 m {11-13/16 inches} - ∞	
DORI	Focus range Detect (25ppm / 8ppf)	0.3 m {11-13/16 inches} - ∞ Wide: 47.1 m / 154.7 ft. Tele: 207.4 m / 680.5 ft	
DORI	Detect (25ppm / 8ppf)	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft	
DORI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf)	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft	
	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf)	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft	
	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf)	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 4.7 m / 15.5 ft, Tele: 20.7 m / 68.1 ft	
System o	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC)	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 47.1 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22	
System of Adjusting	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Angle	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 4.7 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100°	
System of Adjusting Browser	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) a Angle Camera Control	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 4.7 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off	
System of Adjusting	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Angle	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 7.1 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (Line) Input : On / Off	
System of Adjusting Browser	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) a Angle Camera Control Audio	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 4.7 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High	
System of Adjusting Browser	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125pm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Jangle Camera Control Audio GUI / Setup Menu Language	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 4.7 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 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 Audian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chig (SoC) 3 Angle Camera Control Audio GUI / Setup Menu Language Browser ^{*4}	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 4.7 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 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 Figilsh, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125pm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Jangle Camera Control Audio GUI / Setup Menu Language	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 7.1 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 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 10Base-TJ, 1008as-TX, R45 connector	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125pm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Jangle Camera Control Audio GUI / Setup Menu Language Browser ^{*4} Network IF Resolution	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 4.7 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 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 Fightness, AUX On / Off Noile, Teles, Teles, Social Comment : Low / Middle / High English, Italian, French, Cerman, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-TX, RI45 connector [16:9 mode (30 fps mode)][16:9 mode (25 fps mode)]	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Angle Camera Control Audio GUI / Setup Menu Language Browser ⁴ Network IF	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 81.5 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 9.4 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal: -240 to +120°, Vertical: -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (Line) Input : On / Off Mic (Line) Input : On / Off Mic (South of Line) And South of Sou	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125pm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Jangle Camera Control Audio GUI / Setup Menu Language Browser ^{*4} Network IF Resolution	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 81.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 20.7 m / 68.1 ft Wide: 47.1 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal: -240 to +120°, Vertical: -30 to +85°, Yaw : ±100° Brightness. AUX On / Off Mic (Line) Input: On / Off Microsoft Edge, Firefox, Google Chrome 108ase-T / 100Base-TX, RI45 connector [16:3 mode (30 fps mode)][16:3 mode (25 fps mode)] 3072x1728/2560x1440/1920x1080/1280x20(640x360/320x180 [4:3 mode (30 fps mode)][4:3 mode (25 fps mode)]	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125pm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Jangle Camera Control Audio GUI / Setup Menu Language Browser ^{*4} Network IF Resolution H.265/ H.264/ JPEG (MJPEG)	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 4.7 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal: -240 to +120°, Vertical: -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (une) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Madio Queut : On / Off Brightness, AUX On / Off Mic (tane) Input : On / Off Volume adjustment : Low / Middle / High English, Italian, French, Cerman, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-TX, RI45 connector [16:9 mode (30 fps mode)][16:9 mode (25 fps mode)] 3072x2304 / 2560x1440 (1920x1080 /1280x720/640x360/320x180 [4:3 mode (30 fps mode)][4:3 mode (25 fps mode)] 3072x2304 /2560x1420 /2560x360/320x240	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125pm / 38ppf) Identify (250ppm / 76ppf) Identify (250ppm / 76ppf) In Chip (SoC) Jangle Camera Control Audio GUI / Setup Menu Language Browser '4 Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.265/ Transmission Mode	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 81.5 m / 136.1 ft Wide: 9.4 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (ine) Input : 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, RI45 Connector [16:9 mode (30 fps mode)][16:9 mode (25 fps mode)] 3072x1728/2560x1440/1920x1080/1280x720/640x360/320x180 [4:3 mode (30 fps mode)][4:3 mode (25 fps mode)] 3072x2304/2560x1440/180x960/800x60/VGA/400x300/320x240 Constant bit rate / VBR / Frame rate / Best effort	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Angle Camera Control Audio GUI / Setup Menu Language Browser ¹⁴ Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.265/ H.264 ¹⁶ Transmission Mode H.264 ¹⁶	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 9.4 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal: -240 to +120°, Vertical: -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mice Use M. W. On / Off Mice Use M. No / Off Microsoft Edge, Firefox, Google Chrome 108aser 1 / 100Baser 17, RM45 connector 116:9 mode (30 fps mode)][16:9 mode (25 fps mode)] 3072x1728/2560x14401920x1808/1280x720/640x360/320x240 Constant bit rate / VBR / Firame rate / Best effort Unicast port (AUTO) / Unicast port (MANUAL) / Multicast	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125pm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Jangle Camera Control Audio GUI / Setup Menu Language Browser ^{*4} Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.265/ Transmission Mode H.264 ^{*6} Transmission Type JPEG Image Quality	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 4.7 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal: -240 to +120°, Vertical: -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (ine) 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 / 100Base-TX, RI45 connector 165 mode (30 fps mode)][16:9 mode (25 fps mode)] 307zx128/2560x1440/1920x1080/1280x720/640x360/320x180 [4:3 mode (30 fps mode)][4:3 mode (25 fps mode)] 307zx2304/2560x1920/1280x960/800x600/VGA/400x300/320x240 Constant bit rate / VBR / Frame rate / Best effort Unicast port (AUTO) / Unicast port (MANUAL) / Multicast 10 steps	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Angle Camera Control Audio GUI / Setup Menu Language Browser ¹⁴ Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.265/ H.264 ¹⁶ Transmission Mode H.264 ¹⁶	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 81.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 81.5 m / 136.1 ft Wide: 9.4 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (ine) Input : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T / 100Base-TX, RI45 connector [16:9 mode] (30 fps mode)] [16:9 mode (25 fps mode)] 3072x304/2560x1440/1920x1080/1280x720/640x360/320x180 [4:3 mode (30 fps mode)] [14:3 mode (25 fps mode)] 3072x304/2560x1440/1920x1080/1280x720/640x360/320x240 Constant bit rate / VBR / Frame rate / Best effort Unicast port (AUTO) / Unicast port (MANUAL) / Multicast 10 steps GOP (Group of pictures control):	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125pm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Jangle Camera Control Audio GUI / Setup Menu Language Browser ^{*4} Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.265/ Transmission Mode H.264 ^{*6} Transmission Type JPEG Image Quality	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 81.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 81.5 m / 136.1 ft Wide: 9.4 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal: -240 to +120°, Vertical: -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mice Uiel Input: 0 n / Off Volume adjustment: Low / Middle / High Audio Output : 0 n / Off Microsoft Edge, Firefox, Google Chrome 108aser T / 1008ase TX, RI45 connector 16:9 mode (30 fps mode)][16:9 mode (25 fps mode)] 3072xt728/2560x1440/1920x1080/1280x720/640x360/320x240 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)/	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125pm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Jangle Camera Control Audio GUI / Setup Menu Language Browser ^{*4} Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.265/ Transmission Mode H.264 ^{*6} Transmission Type JPEG Image Quality	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 4.7 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal: -240 to +120°, Vertical: -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (une) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Nolme adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T, 1008ase-TR, N445 connector [16:9 mode (30 fps mode)][16:9 mode (25 fps mode)] 3072x128/2560x1440/1920x1080/1280x720/640x360/320x180 [4:3 mode (30 fps mode)][16:3 mode (25 fps mode)] 3072x2304/2560x1920/1280x960/800x600/VGA/400x300/320x240 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 15-83) / Mid (Variable GOP 4s-16s) / Advanced (Fixed GOP 60s w /1s key-frame) /	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125pm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Jangle Camera Control Audio GUI / Setup Menu Language Browser ^{*4} Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.265/ Transmission Mode H.264 ^{*6} Transmission Type JPEG Image Quality	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 81.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 81.5 m / 136.1 ft Wide: 9.4 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal: -240 to +120°, Vertical: -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (ine) Input: On / Off Muico Output: -0 / Off Molitone To / Off Muico Output: -0 / Off Molage, Firefox, Google Chrome 108ase-T / 100Base-TX, RI45 connector [16:9 mode (30 fps mode)][16:9 mode (25 fps mode)] 3072x1728/2560X1440/1920X1080/1280X720/640X360/320X180 [4:3 mode (30 fps mode)][16:9 mode (25 fps mode)] 3072x204/2560X1440/1920X1080/1280X720/640X300/320X240 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 15-85)/ Mid (Variable GOP 4s-165) / Advanced (Fixed GOP 60S w/ts key-frame)/ Frame rate control (Variable GOP 4s-16s with frame rate control)	
System of Adjusting Browser GUI	Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125pm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) Jangle Camera Control Audio GUI / Setup Menu Language Browser ^{*4} Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.265/ Transmission Mode H.264 ^{*6} Transmission Type JPEG Image Quality	Wide: 47.1 m / 154.7 ft, Tele: 207.4 m / 680.5 ft Wide: 18.9 m / 61.9 ft, Tele: 83.0 m / 272.2 ft Wide: 9.4 m / 30.9 ft, Tele: 41.5 m / 136.1 ft Wide: 4.7 m / 15.5 ft, Tele: 20.7 m / 68.1 ft Ambarella CV22 Horizontal: -240 to +120°, Vertical: -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (une) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Nolme adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T, 1008ase-TR, N445 connector [16:9 mode (30 fps mode)][16:9 mode (25 fps mode)] 3072x128/2560x1440/1920x1080/1280x720/640x360/320x180 [4:3 mode (30 fps mode)][16:3 mode (25 fps mode)] 3072x2304/2560x1920/1280x960/800x600/VGA/400x300/320x240 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 15-83) / Mid (Variable GOP 4s-16s) / Advanced (Fixed GOP 60s w /1s key-frame) /	

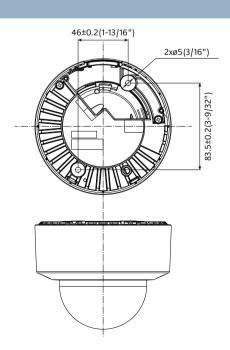
Network	Audio Compression	G.726 (ADPCM) : 16 kbps / 32 kbps		
		G.711 : 64 kbps		
		AAC-LC ^{*7} : 64 kbps / 96 kbps / 128 kbps		
	Audio transmission mode	Off / Mic (Line) input / Audio output / Interactive (Half duplex) /		
		Interactive (Full duplex)		
	Supported Protocol	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3,		
		DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DIffServ, SFTP, MQTT, LLDP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SMTP/VJ2/J2, UPP, ICMP, ICMP, ARP, IEEE 802.1X, DIffServ, SRTP, SFTP, MQTT, LLDP		
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)		
	Secure	FIPS 140-2 level3		
	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)}		
	2	Dome radius 41.5 mm {1-5/8 inches}		
	Mass (approx.)	800 g {1.77 lbs.}		
	Finish	Main body : Aluminum die cast, i-PRO white		
		Dome cover : Polycarbonate resin, Clear (-V3LG : Smoke)		
1 Converte		Some cover in orycarbonate ream, crear (voed i smoke)		

*1 Converted value

*1 Converted value
*2 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.
*3 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.
*4 For information on the operation verification of the supported web browsers, refer to our support website <Control No.: C0132>.
*5 Used by super resolution techniques.
*6 Transmission for 4 streams can be individually set.
*7 When recording audio on an microSD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity).

Appearance





Unit : mm (inches)

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

Mount Bracket / Other

	WALL		POLE	CORNER	
	1	2	1	1	
	Wall Mount Bracket WV-QWL500-W (White)	Wall Mount Bracket WV-QWL501-W (White)	Pole Mount Bracket PAPM4W (White)	Corner Mount Bracket PACA4W (White)	
combination	i k	400	and the	8.	
com	Adapter Box WV-QJB500-W (White)	Mount Bracket WV-QSR501-W (White)	Wall Mount Bracket WV-QWL500-W(White) (+ WV-QJB500-W)	Wall Mount Bracket WV-QWL500-W(White) (+ WV-QJB500-W)	
	"If needed.			2+ 🖸	

		HANGING		CEILING		
		1	2	1	2	
	combination	Ceiling Mount Bracket WV-QCL501-W (White)	Ceiling Mount Bracket WV-QCL101-W *1 (White)	Ceiling Mount Bracket WV-Q105A	Ceiling Mount Bracket (Embedded) WV-QEM100-W (White)	
	com	Mount Bracket WV-QSR501-W (White)	This bracket requires 1 ½" NPT pipe.			

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

Dome Cover



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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.

Al 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.

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



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For US