

WV-S65301-Z1 WV-S65301-Z1G

(-G:Smoke Dome type)

S-series PTZ camera with AI Engine

2MP (1080p) 10x Outdoor PTZ Network Camera

S-series models come standard with AI automatic tracking. It can automatically detect, zoom, and track intruders in a wide area, thereby supporting surveillance operators in many scenes. It also achieves the industry's highest level of drive durability to withstand high-speed and high-frequency camera movement by the automatic monitoring function.

Al monitoring camera, standard with Al Auto-tracking

- Al analysis functionality is standard on the camera side to promote automated surveillance. Accurately detects people and vehicles and automatically zooms in on intruders. Support surveillance operators to ensure that no tracked object is missed.

Additional applications can be installed (up to two applications) to expand analysis functions such as Al privacy guard, person/vehicle attribute detection, etc.

Highly durable pan-tilt drive unit Reduced maintenance costs

- High durability gear drive achieves PAN and TILT drive durability (3.7 million movements). Low failure rate even with high frequency drive and reduced maintenance cost by minimizing the maintenance cycle.

Easy installation

- S-series compact PTZ cameras can be installed discreetly and easily on low ceilings.
- Easy kitting packaging allows the camera to be set up without removing it from the box during kitting prior to installation.
- The 10x models of the S-Series outdoor DOME are shipped with a waterproof LAN extension cable installed. The DOME can be installed without opening the DOME at sites where conventional pigtails are used.
- The addition of a diverse lineup of mounting brackets and optional PoE injectors enables flexible installation regardless of the location of new or existing installations.

High security standard

- Highest level of security. In addition to digital certificates issued by a third-party organization (GlobalSign®), FIPS 140-2 Level 3 certified EdgeLock® SE050F secure element (NXP® Semiconductors) is embedded.

Key i-PRO Spec.

- 2MP (1080p) 1920x1080
- 10x optical zoom
- Intelligent Auto (with AI Engine)
- Super Dynamic 144dB
- Color night vision (0.001 to 0.015 lx) (G: 0.003 to 0.045 lx)
- Durable Pan/Tilt gear mechanism

- IP66, IK10 certified
- \bullet ONVIF® Profile G / M / S / T *ONVIF is a trademark of ONVIF, Inc.
- FIPS 140-2 level 3 certified
 *Built-in EdgeLock® SE050F (NXP® Semiconductors)
- NDAA Compliant



WV-S65301-Z1



WV-S65301-Z1G (Smoke Dome)



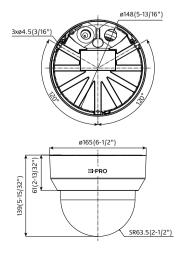


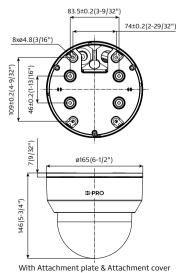
Specifications

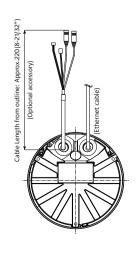
Camera	Image Sensor	Approx. 1/2.8 type CMOS image sensor			
	Minimum Illumination	Color: 0.015 lx (G: 0.045 lx) (50IRE, F1.6, 1/30s)			
	William Mariniación	Color: 0.001 lx (G: 0.003 lx) (50IRE, F1.6, 16/30s)*1			
		BW: 0.006 lx (G: 0.017 lx) (50IRE, F1.6, 1/30s)			
		BW: 0.0004 lx (G: 0.0011 lx) (50IRE, F1.6, 16/30s)			
	White Balance				
		ATW1 / ATW2 / AWC			
Shutter Speed		[60 fps Mode] 1/60 Fix to 1/10000 Fix,			
		[30 fps/15 fps mode] 1/30 Fix to 1/10000 Fix			
		[50 fps Mode] 1/50 Fix to 1/10000 Fix,			
		[25 fps/12.5 fps 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.144 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	The level can be set in the range of 0 to 31 (only when Super dynamic / Intelligent Auto : 0:			
	Fog compensation	On / Off, The level can be set in the range of 0 to 8			
	r og compensation				
	Maniana ania (ACC)	(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 / Auto1 / Auto2 / Auto3 (SCC)			
	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 32 zones available			
	VIQS	On / Off, Up to 8 zones available			
	Image Stabilizer	On / Off (available only in the 30 fps mode)			
	Camera Title (OSD)	On / Off, Up to 40 characters (alphanumeric characters, marks)			
	Focus Adjustment	Auto focus			
Lens					
Lens	Optical zoom	10x (Motorized zoom / Motorized Focus)			
	Extra zoom	Max. 15x (10 to 15x : When resolution is 1280 x 720)			
	Focal length	4.7 - 47 mm {3/16 inches - 1-27/32 inches}			
	Angular Field of View	[16 : 9 mode]			
		Horizontal: 6.7° (TELE) – 62° (WIDE), Vertical: 3.8° (TELE) – 37° (WIDE)			
		[4:3 mode]			
		Horizontal: 5.1° (TELE) - 48° (WIDE), Vertical: 3.8° (TELE) - 37° (WIDE)			
	Maximum Aperture Ratio	1: 1.6 (WIDE) - 1: 3.0 (TELE)			
	Focus range	1.5 m {59-1/16 inches} - ∞			
DORI	Detect (25ppm / 8ppf)	Wide: 64.2 m / 210.5 ft, Tele: 656.0 m / 2152.3 ft			
	Observe (62.5ppm / 19ppf)	Wide: 25.7 m / 84.2 ft, Tele: 262.4 m / 860.9 ft			
	отопит (отпоррии / порри)				
	Recognize (125ppm / 38ppf)	Wide: 12.8 m / 42.1 ft. Tele: 131.2 m / 430.5 ft			
	Recognize (125ppm / 38ppf)	Wide: 12.8 m / 42.1 ft, Tele: 131.2 m / 430.5 ft			
Sustam o	Identify (250ppm / 76ppf)	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft			
	Identify (250ppm / 76ppf) n Chip (SoC)	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M			
Adjusting	Identify (250ppm / 76ppf) n Chip (SoC) g Angle	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal: 360° Endless Panning, Vertical: -15° to +195°, Yaw: 0°			
	Identify (250ppm / 76ppf) In Chip (SoC) In Angle Panning Range	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal: 360° Endless Panning, Vertical: -15° to +195°, Yaw: 0° 360° Endless Panning			
Adjusting	Identify (250ppm / 76ppf) n Chip (SoC) g Angle	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s			
Adjusting	Identify (250ppm / 76ppf) n Chip (SoC) g Angle Panning Range Panning Speed	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s			
Adjusting	Identify (250ppm / 76ppf) In Chip (SoC) In Angle Panning Range	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195°			
Adjusting	Identify (250ppm / 76ppf) n Chip (SoC) g Angle Panning Range Panning Speed	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195°			
Adjusting	Identify (250ppm / 76ppf) n Chip (SoC) a Angle Panning Range Panning Speed Tilting Range	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s			
Adjusting	Identify (250ppm / 76ppf) n Chip (SoC) a Angle Panning Range Panning Speed Tilting Range	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s			
Adjusting	Identify (250ppm / 76ppf) n Chip (SoC) g Angle Panning Range Panning Speed Tilting Range Tilting Speed	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (Detail on the second of the second			
Adjusting	Identify (250ppm / 76ppf) n Chip (SoC) g Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (P0E+), Up to approx. 350°/s (DC12 V P0E) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol			
Adjusting	Identify (250ppm / 76ppf) n Chip (SoC) 3 Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+), Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min			
Adjusting Pan/tilt Browser	Identify (250ppm / 76ppf) n Chip (SoC) a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+). Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min Brightness. AUX On / Off			
Adjusting Pan/tilt	Identify (250ppm / 76ppf) n Chip (SoC) 3 Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+), Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High			
Adjusting Pan/tilt Browser	Identify (250ppm / 76ppf) n Chip (SoC) g Angle Panning Range Panning Speed Titting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+), Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output : On / Off Volume adjustment: Low / Middle / High			
Adjusting Pan/tilt Browser	Identify (250ppm / 76ppf) n Chip (SoC) a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+). Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min 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, Japanes			
Adjusting Pan/tilt Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) 3 Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser ³	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+). Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/2 Os / 3 os / 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 30 min / 60 min Brightness, AUX On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Audio Cutput : On / Off Volume adjustment : Low / Middle / High Audio Cutput : On / Off Volume adjustment : Low / Middle / High Audio Cutput : On / Off Volume adjustment : Low / Middle / High Audio Cutput : On / Off Volume adjustment : Low / Middle / High Audio Cutput : On / Off Volume adjustment : Low / Middle / High Audio Cutput : On / Off Volume adjustment : Low / Middle / High			
Adjusting Pan/tilt Browser	Identify (250ppm / 76ppf) n Chip (SoC) 2 Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser*3 Network IF	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+), Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min 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, Japanes Microsoft Edge, Firefox, Google Chrome 108ase-17, 100Base-1X, RM45 connector			
Adjusting Pan/tilt Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser*3 Network IF Resolution	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+). Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min 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, Japanes Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-TX, R145 connector 116: 9 mode (60 fps mode)]*2 , [16: 9 mode (30 fps mode)],			
Adjusting Pan/tilt Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) 2 Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser*3 Network IF	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+), Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output : On / Off			
Adjusting Pan/tilt Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser*3 Network IF Resolution	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+). Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min 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, Japanes Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-TX, R145 connector 116: 9 mode (60 fps mode)]*2 , [16: 9 mode (30 fps mode)],			
Adjusting Pan/tilt Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser*3 Network IF Resolution	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+), Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 mi Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output : On / Off V			
Adjusting Pan/tilt Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser*3 Network IF Resolution	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+), Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/ 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 30 min / 60 min 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, Japanes Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-Tx, R145 connector [16:9 mode (60 fps mode)] 7; [16:9 mode (30 fps mode)], [16:9 mode (50 fps mode)] 7; [16:9 mode (25 fps mode)] [4:3 mode (30 fps mode)], [4:3 mode (25 fps mode)]			
Adjusting Pan/tilt Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser*3 Network IF Resolution	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+), Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min Brightness, AUX On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High Fuglish, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanes Microsoft Edge, Firefox, Google Chrome 108ase-1 / 1008ase-17x, RJ45 connector 116 : 9 mode (60 fps mode)] ² , [16 : 9 mode (30 fps mode)], 116 : 9 mode (50 fps mode)]² , [16 : 9 mode (25 fps mode)] 12920x1080, 1280x720, 640x360, 320x180 14 : 3 mode (30 fps mode)], [4 : 3 mode (25 fps mode)] 1280x960, VGA, QVGA			
Adjusting Pan/tilt Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser*3 Network IF Resolution	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal: 360° Endless Panning, Vertical: -15° to +195°, Yaw: 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+), Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanes Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-TX, RJ45 connector [16:9 mode (50 fps mode)] '2, [16:9 mode (25 fps mode)] 1920x1080, 1280x720, 640x360, 320x180 [4:3 mode (30 fps mode)], [4:3 mode (25 fps mode)] [4:3 mode (15 fps mode)], [4:3 mode (15.5 fps mode)]			
Adjusting Pan/tilt Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser*3 Network IF Resolution H.265/ H.264/ JPEG (MJPEG)	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal: 360° Endless Panning, Vertical: -15° to +195°, Yaw: 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s (PoE+), Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min 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, Japanes Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-Tx, R145 connector [16:9 mode (60 fps mode)]², [16:9 mode (30 fps mode)], [16:9 mode (50 fps mode)]², [16:9 mode (25 fps mode)] 1920x1080, 1280x720, 640x360, 320x180 [4:3 mode (30 fps mode)], [4:3 mode (25 fps mode)] 2048x1536'4, 1280x960, VGA, QVGA			
Adjusting Pan/tilt Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser*3 Network IF Resolution	Wide: 6.4 m / 21.1 ft, Tele: 65.6 m / 215.2 ft Ambarella CV25M Horizontal: 360° Endless Panning, Vertical: -15° to +195°, Yaw: 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+), Up to approx. 350°/s (DC12 V PoE) 256 positions Auto track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanes Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-TX, RJ45 connector [16:9 mode (50 fps mode)] '2, [16:9 mode (25 fps mode)] 1920x1080, 1280x720, 640x360, 320x180 [4:3 mode (30 fps mode)], [4:3 mode (25 fps mode)] [4:3 mode (15 fps mode)], [4:3 mode (15.5 fps mode)]			

Network	Smart Coding	GOP (Group of pictures) control:				
		Off/ Low (Variable GOP 1s-8s) / Mid (Variable GOP 4s-16s) /				
		Advanced(Fixed GOP 60s w/1s key-frame)/				
		Frame rate control (Variable GOP 4s-16s with frame rate control)				
		*Advanced and Frame rate control are only available with H.265.				
		Smart Coding: Auto VIQS: On/Off				
	Audio Compression	G.726 (ADPCM) : 16 kbps / 32 kbps				
		G.711 : 64 kbps				
		AAC-LC*6 : 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, IGMP, ARP, IEEE 802.TX, DIffServ, SFTP, MQTT, LLDP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP, RTCP, SMTP, DHCP, DNS, DDNS, DTP, SVMPv1/v2/v3, UPnP, IGMP, IGMP, IGMP, ARP,				
		IEEE 802.1X, DiffServ, SRTP, SFTP, MQTT, NTCIP				
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)				
	Secure	FIPS 140-2 level 3 (NXP® EdgeLock® SE050F),				
		Device Certificate GlobalSign® pre-installed, User authentication,				
		Host authentication, HTTPS, Data encryption, 802.1X Support				
	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				
	M 10 T 1 10 1000	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/	Audio input	ø3.5 mm stereo mini jack				
Output	For microphone input :					
		(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 : Approx10 dBV				
	Audio Output *7	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) (x				
General	Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1				
	EMC	FCC (Part15 ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035				
	Power Source and	DC12 V, PoE (IEEE802.3af), PoE+ (IEEE802.3at)				
	Power Consumption	DC12 V: 1.3 A / Approx.15.6 W				
		PoE DC 48 V: 270 mA / Approx.12.95 W (Class 0 device)				
		PoE+ DC 54 V: 340 mA / Approx18.4 W(Class 4 device)				
	Ambient Operating	-30 °C to +55 °C (-22 °F to +131 °F)				
	Temperature	(Power On range : -20 °C to +55 °C {-4 °F to +131 °F})				
		Maximum temperature according to NEMA TS2(2.2.7): 74 °C(165 °F)				
	Ambient Operating Humidity	10 to 100 % (no condensation)				
	Anti-Condensation System	Temish element				
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X complian				
	Shock Resistance	IK10 (IEC 62262)				
	Other standard support	NEMA TS2(2.2.7-2.2.9)				
	Dimensions	ø165 mm x 139 mm (H) {ø6-1/2 inches x 5-15/32 inches (H)}				
	Mass (approx.)	Approx. 1.6 kg {3.53 lbs.}				
	Finish	Main body: Aluminum die cast, Black polycarbonate resin, i-PRO white				
		0.4 (::				
		Outer fixing screws : Stainless steel (Corrosion-resistant treatment)				

Appearance







Unit: mm (inches)

^{*2} When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.
*3 For information on the operation verification of the supported web browsers, refer to our support website <Control No.: C0132>.

 ³ For miorination on the operation venification of the supported web prowsers, refer to our support website Control No.: Colse
 5 Transmission for 4 streams can be individually set.
 6 When recording audio on an microSD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity).
 7 The audio output can be switched to the monitor output. Refer to the Operating Instructions on the provided CD-ROM for descriptions of how to switch the output.

Optional Accessories

Mount Bracket / Other

	WALL		POLE	CORNER	HANGING	
	1	2	1	1	1	2
	Wall Mount Bracket PWM40W (White)	Wall Mount Bracket WV-QWL500-W (White)	Pole Mount Bracket PAPM4W (White)	Corner Mount Bracket PACA4W (White)	Ceiling Mount Bracket WV-QCL501-W (White)	Ceiling Mount Bracket WV-QCL101-W *1 (White) *For indoor installation only.
combination	Mount Bracket WV-QSR501F1-W (White, ANSI Female thread)	Adapter Box WV-QJB500-W (White) "If needed.	Wall Mount Bracket PWM40W (White)	Wall Mount Bracket PWM40W (White)	Mount Bracket WV-QSR501-W (White)	
			Mount Bracket WV-QSR501F1-W (White, ANSI Female thread)	Mount Bracket WV-QSR501F1-W (White, ANSI Female thread)		

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

	CEILING			OTHER	
combination	1	2	3	1	
	Base Bracket WV-QJB501-W (White)	Ceiling Mount Bracket (Embedded) WV-QEM503-W (White) *For indoor installation only.	Base bracket WV-QJB504-W (White)	3rd Party Pipe (Male or Female type)	
				Mount Bracket WV-QSR501F1-W (White, ANSI Female thread) WV-QSR501M1-W (White, ANSI Male thread)	

Dome Cover

Dome Cover (Smoke type) **WV-QDC502G**



Cable

I/O Cable WV-QCA501A WV-QCA501APK



- *WV-QCA501APK is package of 10 cables.
- *The color of the grommet rubber may differ depending on the production time, but the performance and mounting method will not change.

- **Trademarks and registered trademarks** GlobalSign and the GlobalSign Logo are registered trademarks of GMO GrobalSign K.K.
- 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.
- $\bullet \ \text{Masses and dimensions are approximate.} \quad \bullet \ \text{Specifications are subject to change without notice.}$



(2A-379AL)