

WV-S65340-Z4N WV-S65340-Z4K

S series PTZ camera with AI

2MP (1080p) 40x 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 by automatic tracking function 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 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 level3-certified hardware is installed.

Key i-PRO Spec.

- 2MP (1080p) 1920x1080
- 40x optical zoom
- Intelligent Auto (with AI Engine)
- Super Dynamic 144dB
- Color night vision (0.001 to 0.015 lx)
- Durable Pan/Tilt gear mechanism
- ClearSight Coating
- IP66, IP67, IK10 certified
- \bullet ONVIF $^{\circledR}$ Profile G / M / S / T $\,$ *ONVIF is a trademark of ONVIF, Inc.
- FIPS 140-2 level3 certified
- -Z4K model : Heavy-duty salt damage-resistant coating

Industry examples

- Safe Cities
- Transportation (Airport / Train, Subway station)
- Stadium
- Critical infrastructure





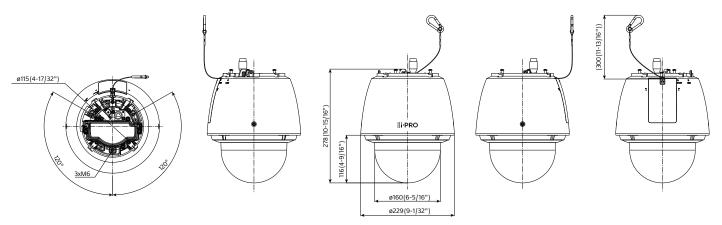
Specifications

Camera	ifications					
	Image Sensor Approx. 1/2.8 type CMOS image sensor					
	Minimum Illumination	Color: 0.015 lx (50IRE, F1.6, 1/30s)				
		Color: 0.001 lx (50IRE, F1.6, 16/30s)*1				
		BW: 0.006 lx (50IRE, F1.6, 1/30s)				
		BW: 0.0004 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 On / Off, The level can be set in the range of 0 to 31. Max.144 dB (Super Dynamic: On, Level 31) The level can be set in the range of 0 to 255.				
	Super Dynamic*2					
	Dynamic Range					
	Adaptive Black Stretch					
	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 : Off				
	Fog compensation	On / Off, The level can be set in the range of 0 to 8				
		(only when Intelligent auto / auto contrast adjust : Off)				
	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				
	Camera Title (OSD)	On / Off, Up to 40 characters (alphanumeric characters, marks)				
Lens	Focus Adjustment	Auto focus				
Lens	Optical zoom	40x (Motorized zoom / Motorized Focus)				
	Extra zoom	Max. 60x (40 to 60x: When resolution is 1280 x 720)				
	Focal length	4.25 - 170 mm {11/64 inches - 6-11/16 inches}				
	Angular Field of View	[16 : 9 mode]				
		Horizontal: 2.1° (TELE) – 65° (WIDE), Vertical: 1.2° (TELE) – 39° (WIDE)				
		[4:3 mode]				
		Horizontal: 1.6° (TELE) – 51° (WIDE), Vertical: 1.2° (TELE) – 39° (WIDE)				
	Maximum Aperture Ratio	1:1.6 (WIDE) -1:4.95 (TELE)				
	Focus range	3 m {118-7/64 inches} - ∞				
DORI	Detect (25ppm / 8ppf)	Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft				
	Observe (62.5ppm / 19ppf)	Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft				
	Recognize (125ppm / 38ppf)					
	Identify (250ppm / 76ppf)	Wide: 6.0 m / 19.8 ft, Tele: 209.5 m / 687.4 ft				
System o		Wide: 6.0 m / 19.8 ft, Tele: 209.5 m / 687.4 ft Ambarella CV25M				
	n Chip (SoC)	Ambarella CV25M				
Adjusting	n Chip (SoC) g Angle	Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0°				
Adjusting	n Chip (SoC) 3 Angle Panning Range	Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning				
Adjusting	n Chip (SoC) g Angle	Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s				
Adjusting	n Chip (SoC) g Angle Panning Range Panning Speed	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	n Chip (SoC) g Angle Panning Range Panning Speed Tilting Range	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	n Chip (SoC) 3 Angle Panning Range Panning Speed Tilting Range Tilting Speed	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				
Adjusting	n Chip (SoC) 3 Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions	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				
Adjusting	n Chip (SoC) 3 Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode	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 256 positions Auto track/ Auto pan/ Preset sequence/ Patrol				
Adjusting Pan/tilt	n Chip (SoC) 3 Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return	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 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	n Chip (SoC) 3 Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control	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 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	n Chip (SoC) 3 Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return	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 256 positions Auto track/ Auto pan/ Preset sequence/ Patrol 10 s/2 Os // 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	n Chip (SoC) 3 Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio	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 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	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	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 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, Japanese				
Adjusting Pan/tilt Browser GUI	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	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 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, Japanese Microsoft Edge, Firefox, Google Chrome				
Adjusting Pan/tilt Browser GUI	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 Network IF	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 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, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T7, 1008ase-TX, RM45 connector				
Adjusting Pan/tilt Browser GUI	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 Network IF Resolution	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° Operational -15 - +195° Manual: Approx. 0.065° /s -150° /s Preset: Up to approx. 500° /s 256 positions Auto track/ Auto pan/ Preset sequence/ Patrol 10 s/2 Os /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, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-TX, RI45 connector [16: 9 mode (60 fps mode)] 7°, [16: 9 mode (30 fps mode)],				
Adjusting Pan/tilt Browser GUI	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 Network IF	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 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, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-TX, R145 connector [16: 9 mode (60 fps mode)] ² , [16: 9 mode (25 fps mode)]				
Adjusting Pan/tilt Browser GUI	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 Network IF Resolution	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° Auto track/ Auto pan/ Preset sequence/ Patrol 10 s/2 0s/3 0s/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, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-TX, R145 connector [16: 9 mode (60 fps mode)] ⁷ , [16: 9 mode (30 fps mode)],				
Adjusting Pan/tilt Browser GUI	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 Network IF Resolution	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 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, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-17 (1008ase-1X, R445 connector [16: 9 mode (60 fps mode)] ¹² , [16: 9 mode (30 fps mode)] 1920x1080, 1280x720, 640x360, 320x180 [4: 3 mode (30 fps mode)], [4: 3 mode (25 fps mode)]				
Adjusting Pan/tilt Browser GUI	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 Network IF Resolution	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 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, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-TX, RI45 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)]				
Adjusting Pan/tilt Browser GUI	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 Network IF Resolution	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 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, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-17 (1008ase-1X, R445 connector [16: 9 mode (60 fps mode)] ¹² , [16: 9 mode (30 fps mode)] 1920x1080, 1280x720, 640x360, 320x180 [4: 3 mode (30 fps mode)], [4: 3 mode (25 fps mode)]				
Adjusting Pan/tilt Browser GUI	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 Network IF Resolution	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 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, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, RI45 connector [16: 9 mode (60 fps mode)] ¹² , [16: 9 mode (30 fps mode)], [16: 9 mode (50 fps mode)] ¹² , [16: 9 mode (25 fps mode)] 1920x1080, 1280x720, 640x360, 320x180 [4: 3 mode (30 fps mode)], [4: 3 mode (25 fps mode)]				
Adjusting Pan/tilt Browser	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 Network IF Resolution	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: 1-15 - 4195° Manual: Approx. 0.065° [s - 150°]s Preset: Up to approx. 500° [s Operational: 1-15 - 4195° Manual: Approx. 0.065° [s - 150°]s Preset: Up to approx. 500° [s Operational: 1-15 - 4195° Manual: Approx. 0.065° [s - 150°]s Preset: Up to approx. 500° [s Operational: 10 s - 1				
Adjusting Pan/tilt Browser GUI	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 Network IF Resolution H.265/ H.264/ JPEG (MJPEG)	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 256 positions Auto track/ Auto pan/ Preset sequence/ Patrol 10 s/2 Os /3 0s /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, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-17, 1008ase-17, R45 connector [16: 9 mode (50 fps mode)] ² , [16: 9 mode (30 fps mode)], [16: 9 mode (50 fps mode)] ² , [16: 9 mode (25 fps mode)] 1290x1080, 1280x720, 640x360, 320x188 [4: 3 mode (30 fps mode)], [4: 3 mode (25 fps mode)] 1280x960, VGA, QVGA [4: 3 mode (15 fps mode)], [4: 3 mode (12.5 fps mode)] 2048x1536°4, 1280x960, VGA, QVGA				

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 VIQS: On (High) / On (Low) / Off, Smart P-picture control: On / Off G.726 (ADPCM): 16 kbps / 32 kbps G.711 : 64 kbps / 32 kbps AAC-LC'6 : 64 kbps / 96 kbps / 128 kbps Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duple			
	Audio Compression				
	Audio Compression				
	Audio transmission mode				
	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			
		IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP,			
		DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP,			
		IEEE 802.1X, DiffServ, SRTP, MQTT, NTCIP			
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)			
	Secure	FIPS 140-2 level3, Device Certificate GlobalSign® pre-installed			
	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/	Audio input	ø3.5 mm stereo mini jack			
Output	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 : Approx10 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) (
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	AC24 V, PoE++ (IEEE802.3bt), PoE+ (IEEE802.3at)			
	Power Consumption	AC24 V, 3.4 A Approx. 53.3 W			
		PoE++ DC 54 V 940 mA, Approx. 50.84 W(Class6 device)			
		PoE+ DC 54 V 470 mA, Approx. 25.4 W(Class4 device)			
	Ambient Operating	-50 °C to +60 °C (-58 °F to +140 °F)			
	Temperature	(AC24V, PoE++)			
		-30 °C to +60°C {-22 °F to +140 °F) (PoE+ device)			
		(Power On range : -30 °C to +60 °C {-22 °F to +140 °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 + Heater + FAN + ROSAHL			
	Water and Dust Resistance	IP66, IP67, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compl			
	Shock Resistance	IK10 (IEC 62262)			
	Other standard support	NEMA TS2(2.2.7-2.2.9)			
	Dimensions	ø229 mm x 278 mm (H) {ø9-1/32 inches x 10-15/16 inches (H)}			
	Mass (approx.)	Approx. 4.3 kg {9.48 lbs.}			
	Finish	Main body : Aluminum die cast, i-PRO white			
		(-Z4K model : Heavy-duty salt damage-resistant coating)			
		Outer fixing screws : Stainless steel (Corrosion-resistant treatment)			

Appearance

Unit: mm (inches)



^{**}Converted value **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>. **4 Used by super resolution techniques **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).

AI Analytics applications

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

Al 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.

Al 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

Al Vehicle Detection

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

Al 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.

Optional Accessories

Fiber Optic Media Converter Unit

WV-X65F1-W (i-PRO white) Fiber Optic Media Converter Unit supports long distance optical networks by converting copper RJ45 to fiber.

Basic specifications

Power source	24 V AC(50 Hz/60 Hz)				
Ambient Operating Temperature :	-40 °C to +60 °C{-40 °F to 140 °F} (Power On range: -30 to +60 {-22 °F to 140 °F})				
Ambient Operating Humidity :	10 % to 100 %(no condensation)				
Waterproof	IP66(IEC60529)				
Shock resistance	IK10(IEC62262)				
	·				

*Refer to website for compatible SFP modules. https://i-pro.com/global/en/surveillance/training-support/support/technical-information <Control No.: C0504>

Support specifications for SFP module

SFP Port Type	LC type		
Ethernet Speed	100/1000 Mbps		
Supply voltage, current	3.3 V typical, Max. 300 mA		
SFP Cage	Standard mini-SFP cage		
	(For 6.5 mm pitch SFP)		

■ Mount Bracket / Other

	WALL	POLE	CORNER	HANGING	CEILING	OTHER
	1	1	1	1	1	1
	Wall Mount Bracket WV-QWL501-W WV-QWL501S-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 WV-QCL501S-W (i-PRO white)	Ceiling surface mount bracket WV-QCL500-W (i-PRO white)	3rd Party Pipe (Male or Female type)
combination	Mount Bracket WV-QSR504-W WV-QSR504S-W (i-PRO white)	Wall Mount Bracket WV-QWL501-W WV-QWL501S-W (i-PRO white)	Wall Mount Bracket WV-QWL501-W WV-QWL501S-W (i-PRO white)	Mount Bracket WV-QSR504-W WV-QSR504S-W (i-PRO white)		Mount Bracket WV-QSR504F-W (i-PRO white, ISO Female thread) WV-QSR504M-W (i-PRO white, ISO Male thread)
		Mount Bracket WV-QSR504-W WV-QSR504S-W (i-PRO white)	Mount Bracket WV-QSR504-W WV-QSR504S-W (i-PRO white)			Mount Bracket WV-QSR504F1-W (White, ANSI Female thread) WV-QSR504M1-W (White, ANSI Male thread)

 $^*WV-QSR504S-W,\ WV-QWL501S-W\ and\ WV-QCL500S-W\ are\ heavy-duty\ salt\ damage-resistant\ coating\ accessories.$

Dome Cover



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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.

