

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.

AI monitoring camera, standard with AI 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
- + ONVIF $\ensuremath{^{\ensuremath{\mathbb{R}}}}$ Profile G / M / S / T $\ensuremath{^{\ensuremath{\mathsf{N}}}}$ S on the 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



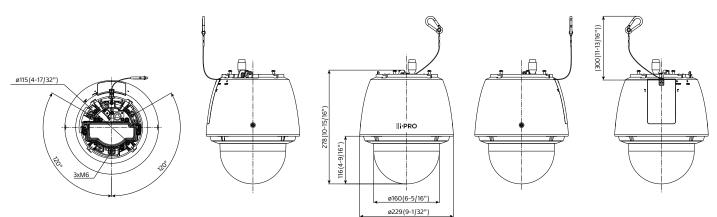


Specifications

Camera				
	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		
	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 : Off)		
	Fog compensation	On / Off, The level can be set in the range of 0 to 8		
	Mauianum 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 On / Off		
	Image Stabilizer			
	Camera Title (OSD)	On / Off, Up to 40 characters (alphanumeric characters, marks) Auto focus		
Lens	Focus Adjustment Optical zoom	40x (Motorized zoom / Motorized Focus)		
Lens	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]		
	Angular ricid of view	Horizontal : 2.1° (TELE) – 65° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE)		
		[4:3 mode]		
	Maximum Aporturo Patio	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE)		
	Maximum Aperture Ratio	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.95 (TELE)		
DORI	Focus range	Horizontal : 1.6° (TELE) - 51° (WIDE), Vertical : 1.2° (TELE) - 39° (WIDE) 1 : 1.6 (WIDE) - 1 : 4.95 (TELE) 3 m {118-7/64 inches} - ∞		
DORI	Focus range Detect (25ppm / 8ppf)	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.95 (TELE) 3 m (118-7/64 inches) – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft		
DORI	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf)	Horizontal : 1.6° (TELE) - 51° (WIDE), Vertical : 1.2° (TELE) - 39° (WIDE) 1 : 1.6 (WIDE) - 1 : 4.95 (TELE) 3 m (118-7/64 inches) - ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft		
DORI	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf)	Horizontal : 1.6° (TELE) - 51° (WIDE), Vertical : 1.2° (TELE) - 39° (WIDE) 1 : 1.6 (WIDE) - 1 : 4.95 (TELE) 3 m (118-7)64 inches] - ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 41.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 12.1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft		
	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf)	Horizontal : 1.6° (TELE) - 51° (WIDE), Vertical : 1.2° (TELE) - 39° (WIDE) 1 : 1.6 (WIDE) - 1 : 4.35 (TELE) 3 m (18-7)64 inches) - ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 1.2 1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft Wide: 0.0 m / 19.8 ft, Tele: 209.5 m / 687.4 ft		
System o	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC)	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.95 (TELE) 3 m (118-7/64 inches) – ∞ Wide: 60.3 m / 197.8 tt, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 388.1 m / 2749.5 ft Wide: 12.1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft Wide: 60.0 m / 19.8 ft, Tele: 209.5 m / 687.4 ft Ambarella CV25M		
System o Adjusting	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) in Chip (SoC) g Angle	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.95 (TELE) 3 m (118-7/64 inches) – ∞ Wide: 0.3 m) 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 2095.2 m / 6873.9 ft Wide: 12.1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft Wide: 6.0 m / 19.8 ft, Tele: 2095.5 m / 687.4 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0°		
System o	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) gAngle Panning Range	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.95 (TELE) 3 m (18-7)64 inches) – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 818.1 m / 2749.5 ft Wide: 12.1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft Wide: 12.1 m / 39.6 ft, Tele: 209.5 m / 687.4 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning		
System o Adjusting	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) in Chip (SoC) g Angle	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.95 (TELE) 3 m (118-7)64 inches] – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 21.1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft Wide: 6.0 m / 19.8 ft, Tele: 209.5 m / 687.4 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		
System o Adjusting	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) gAngle Panning Range	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.95 (TELE) 3 m (118-7)64 inches] – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 21.1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft Wide: 6.0 m / 19.8 ft, Tele: 209.5 m / 687.4 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		
System o Adjusting	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) in Chip (SoC) g Angle Panning Range Panning Speed	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1: 1.6 (WIDE) – 1: 4: 45 (TELE) 3 m (118-7/64 inches) – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 12.1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft Wide: 12.1 m / 39.6 ft, Tele: 209.5 m / 687.4 ft Ambarella CV25M Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s – 150°/s		
System o Adjusting	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) g Angle Panning Range Panning Speed Tillting Range	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.95 (TELE) 3 m (18-7)64 inches) – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 24.1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft Wide: 6.0 m / 19.8 ft, Tele: 209.5 m / 687.4 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°		
System o Adjusting	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) g Angle Panning Range Panning Speed Tilting Range Tilting Speed	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.35 (TELE) 3 m (118-7/64 inches) – ∞ Wide: 60.3m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 12.1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft Wide: 12.1 m / 39.6 ft, Tele: 209.5 m / 687.4 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 Manual: Approx. 0.065°/s -150°/s Manual: Approx. 0.065°/s -150°/s Manual: Approx. 0.065°/s -150°/s Manual: Approx. 0.065°/s -150°/s		
System o Adjusting	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (50C) g Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1: 1.6 (WIDE) – 1: 4.95 (TELE) 3 m (118-7/64 inches) – ∞ Wide: 60.3 m / 197.8 tt, Tele: 2095.2 m / 6873.9 tt Wide: 24.1 m / 79.1 ft, Tele: 2095.2 m / 6873.9 tt Wide: 12.1 m / 39.6 tt, Tele: 2095.2 m / 6873.9 tt Wide: 12.1 m / 39.6 tt, Tele: 2095.5 m / 687.4 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		
System o Adjusting Pan/tilt Browser	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) m Chip (SoC) g Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1: 1.6 (WIDE) – 1: 4.95 (TELE) 3 m (118-7/64 inches) – ∞ Wide: 60.3m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 60.m / 19.8 ft, Tele: 209.5 m / 687.4 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 256 positions Auto track/ Auto pan / Preset sequence/ Patrol 10 s/ 20 s/ 3 us / 1 min / 2 min / 5 min / 10 min / 20 min / 30 min / 60 min Brightness, AUX On / Off		
System o Adjusting Pan/tilt	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (SoC) g Angle Panning Range Panning Speed Tilting Speed Preset Positions Auto Mode Self Return	$\begin{split} & \text{Horizontal}: 1.6^{\circ} \text{ (TELE)} - 51^{\circ} \text{ (WDE)}, \text{Vertical}: 1.2^{\circ} \text{ (TELE)} - 39^{\circ} \text{ (WDE)} \\ & 1: 1.6 \text{ (WDE)} - 1: 4.35 \text{ (TELE)} \\ & 3m (118-7)64 \text{ inches} - \infty \\ & \text{Wide: 60.3 m} / 197.8 \text{ ft}, \text{Tele: 2095.2 m} / 6873.9 \text{ ft} \\ & \text{Wide: 24.1 m} / 79.1 \text{ ft}, \text{Tele: 838.1 m} / 2749.5 \text{ ft} \\ & \text{Wide: 24.1 m} / 79.1 \text{ ft}, \text{Tele: 838.1 m} / 2749.5 \text{ ft} \\ & \text{Wide: 6.0 m} / 19.8 \text{ ft}, \text{Tele: 419.0 m} / 1374.8 \text{ ft} \\ & \text{Wide: 6.0 m} / 19.8 \text{ ft}, \text{Tele: 209.5 m} / 687.4 \text{ ft} \\ & \text{Ambarella} \text{ CV25M} \\ & \text{Horizontal}: 360^{\circ} \text{ fndless Panning} \\ & \text{Manual: Approx. 0.065^{\circ}/s - 150^{\circ}/s} \\ & \text{Preset: Up to approx. 500^{\circ}/s} \\ & \text{Operational} - 15 - +195^{\circ} \\ & \text{Manual: Approx. 0.065^{\circ}/s - 150^{\circ}/s} \\ & \text{Preset: Up to approx. 500^{\circ}/s} \\ & \text{Auto track/ Auto pan/ Preset sequence/ Patrol} \\ & \text{Auto track/ Auto pan/ Preset sequence/ Patrol} \\ & \text{Iot}_{20.5/3.01/1 min/ 2 min/ 3 min/ 10 min/ 20 min/ 60 min} \\ & \text{Brightness, AUX On / Off} \\ & \text{Molume adjustment : Low / Middle / High} \\ \end{array}$		
System o Adjusting Pan/tilt Browser	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) m Chip (SoC) gAngle Panning Speed Panning Speed Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.35 (TELE) 3 m (18-7)64 inches) – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 1.2 1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft Wide: 0.0 m / 19.8 ft, Tele: 209.5 m / 687.4 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 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 / 60 min Brightness, AUX On / Off Wice (Line) Input : On / Off Volume adjustment : Low / Middle / High		
System o Adjusting Pan/tilt Browser	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (50C) g Angle Panning Range Panning Speed Titting Range Titting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.95 (TELE) 3 m (118-7/64 inches) – ∞ Wide: 60.3m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 12.1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft Wide: 12.1 m / 39.6 ft, Tele: 209.5 m / 687.4 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 256 positions Auto track/ Auto pan/ Preset sequence/ Patrol 10 s/ 20 : 30 s/1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 60 min Brightness, AUX On / Off Wic Line) Input : On / Off Volume adjustment : Low / Middle / High English, Italian, French, Cerman, Spanish, Portuguese, Russian, Chinese, Japanese		
System o Adjusting Pan/tilt Browser	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) in Chip (SoC) g Angle Panning Kange Panning Speed Tilting Speed Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser'3	$\begin{split} & \text{Horizontal: } 1.6^{\circ} \text{ (TELE) } - 51^{\circ} \text{ (WDE), Vertical: } 1.2^{\circ} \text{ (TELE) } - 39^{\circ} \text{ (WDE)} \\ & 1: 1.6 \text{ (WDE) } - 1: 4.35 \text{ (TELE)} \\ & 3m \text{ (118-7)64 inches] - \infty \\ & \text{Wide: } 60.3 \text{ m} \text{ / 197.8 ft, Tele: } 2095.2 \text{ m} \text{ / 6873.9 ft} \\ & \text{Wide: } 24.1 \text{ m} \text{ / 79.1 ft, Tele: } 838.1 \text{ m} \text{ / 2749.5 ft} \\ & \text{Wide: } 24.1 \text{ m} \text{ / 39.6 ft, Tele: } 419.0 \text{ m} \text{ 1374.8 ft} \\ & \text{Wide: } 6.0 \text{ m} \text{ / 19.8 ft, Tele: } 209.5 \text{ m} \text{ / 6873.9 ft} \\ & \text{Wide: } 2.0 \text{ m} \text{ / 39.6 ft, Tele: } 419.0 \text{ m} \text{ 1374.8 ft} \\ & \text{Wide: } 6.0 \text{ m} \text{ / 19.8 ft, Tele: } 209.5 \text{ m} \text{ / 687.4 ft} \\ & \text{Ambarella CV25M} \\ & \text{Horizontal: } 360^{\circ} \text{ Endless Panning} \\ & \text{Manual: } Approx. 0.065^{\circ}/\text{s} - 150^{\circ}/\text{s} \\ & \text{Preset: Up to approx. 500^{\circ}/\text{s}} \\ & \text{Operational - 15 - +195^{\circ}} \\ & \text{Manual: } Approx. 0.065^{\circ}/\text{s} - 150^{\circ}/\text{s} \\ & \text{Preset: Up to approx. 500^{\circ}/\text{s}} \\ & \text{Auto track / Auto pan/ Preset sequence/ Patrol} \\ & \text{Auto track / Auto pan/ Preset sequence/ Patrol} \\ & \text{Int} 2 \text{ sightness, AUX On / Off} \\ & \text{Brightness, AUX On / Off} \\ & \text{Volume adjustment: Low / Middle / High} \\ & \text{Audio output : 0n / Off Volume adjustment: Low / Middle / High} \\ & \text{English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese} \\ & \text{Microsoft Edge, Firefox, Google Chrome} \\ \end{array} $		
System o Adjusting Pan/tilt Browser GUI	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (50C) g Angle Panning Range Panning Speed Titling Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.35 (TELE) 3 m (18-?164 inches) – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 1.2 m / 39.6 ft, Tele: 209.5 m / 687.4 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 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 Wic (Line) Input : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome		
System o Adjusting Pan/tilt Browser	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (50C) g Angle Panning Range Panning Speed Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser'3 Network IF Resolution	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.35 (TELE) 3 m (118-7/64 inches) – ∞ Wide: 60.3m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 12.1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft Wide: 12.1 m / 39.6 ft, Tele: 209.5 m / 687.4 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 256 positions Auto track/ Auto pan/ Preset sequence/ Patrol 10 s/ 20 3 Jos J 1 min / 2 min / 3 min / 5 min / 10 min / 20 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, RU45 connector [16 : 9 mode (60 fps mode)]*2 , [16 : 9 mode (30 fps mode)],		
System o Adjusting Pan/tilt Browser GUI	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) on Chip (SoC) g Angle Panning Range Panning Speed Panning Speed Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser'3 Network IF	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.95 (TELE) 3 m (118-7)64 inches) – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 24.1 m / 79.1 ft, Tele: 419.0 m / 1374.8 ft Wide: 6.0 m / 19.8 ft, Tele: 209.5 m / 687.4 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 Auto track/ Auto pan/ Preset sequence/ Patrol 10 s / 20 s / 300' 1 min / 2 min / 3 min / 5 min / 10 min / 20 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 Output : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High English, Italian, Friench, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T / 100Base-T / X, R445 connector 116 : 9 mode (60 fps mode)] ² , 1[6 : 9 mode (30 fps mode)], 1[6 : 9 mode (60 fps mode) ² , 1[6 : 9 mode (25 fps mode)]		
System o Adjusting Pan/tilt Browser GUI	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (50C) g Angle Panning Range Panning Speed Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser'3 Network IF Resolution	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.35 (TELE) 3 m (18-7)64 inches) – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 818.1 m / 2749.5 ft Wide: 2.1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft Wide: 10.0 m / 19.8 ft, Tele: 209.5 m / 687.4 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 Manual: Approx. 0.060° /s Manual: Approx. 0.060° /		
System o Adjusting Pan/tilt Browser GUI	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (50C) g Angle Panning Range Panning Speed Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser'3 Network IF Resolution	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.35 (TELE) 3 m (118-7/64 inches) – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 12.1 m / 39.6 ft, Tele: 209.5 m / 687.4 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 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/ 3 0 s/ 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 60 min Brightness, AUX On / Off Wic (Line) Input : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10 Base-7T, / 100 Base-7T, R/45 Connector 16 f: 9 mode (50 fps mode)] ⁷ , [16 : 9 mode (30 fps mode)], [16 : 9 mode (50 fps mode)] ⁷ , [16 : 9 mode (30 fps mode)], [16 : 3 mode (30 fps mode)] / 4 : 3 mode (25 fps mode)]		
System o Adjusting Pan/tilt Browser GUI	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (50C) g Angle Panning Range Panning Speed Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser'3 Network IF Resolution	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.95 (TELE) 3 m (118-7)64 inches) – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 2.0 m / 198. ft, Tele: 209.5 m / 687.4 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 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 / 60 min Brightness. Aux On / Off Nic (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 English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-T X, R445 connector 116 : 9 mode (50 fps mode) ¹² , 116 : 9 mode (25 fps mode)] 1 280x960, VGA, QVGA		
System o Adjusting Pan/tilt Browser GUI	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (50C) g Angle Panning Range Panning Speed Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser'3 Network IF Resolution	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.95 (TELE) 3 m (18-7)64 inches) – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 818.1 m / 2749.5 ft Wide: 24.1 m / 79.1 ft, Tele: 818.1 m / 2749.5 ft Wide: 24.1 m / 79.1 ft, Tele: 209.5 m / 687.4 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 256 positions Auto track / Auto pan / Preset sequence / Patrol 10 s / 20 s / 3 0 s / 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 30 min / 60 min Brightness, AUX On / Off Wic (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, Japanese Microsoft Edge, Firefox, Googe Chrome 108ase-T / 1008ase-TX, RI45 connector [16 : 9 mode (60 fps mode)] ⁷ 2, [16 : 9 mode (25 fps mode)] 1280x960 , VGA, QVGA [4 : 3 mode (13 fps mode)] , [4 : 3 mode (12.5 fps mode)]		
System o Adjusting Pan/tilt Browser GUI	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (50C) g Angle Panning Range Panning Speed 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)	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.35 (TELE) 3 m (18-?)f64 inches) – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 1.2 m / 39.6 ft, Tele: 209.5 m / 687.4 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 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 / 60 min Brightness, AUX On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase -T1 / 1008ase-TX, R45 connector 16 f: 9 mode (60 fps mode)]*2 , [f6 : 9 mode (30 fps mode)], [16 : 9 mode (30 fps mode)]*2 , [f6 : 3 mode (25 fps mode)] 1280x960, VCA, QVCA [4 : 3 mode (15 fps mode)], [4 : 3 mode (12.5 fps mode)] 204x81536'4 , 1280x960, VCA, QVCA		
System o Adjusting Pan/tilt Browser GUI	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (50C) g Angle Panning Range Panning Speed Tilting Range Tilting Speed 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) H.265/ Transmission Mode	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.95 (TELE) 3 m (18-7)64 inches] – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 26.0 m / 19.8 ft, Tele: 209.5 m / 687.4 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 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 Operational .15 – 195° Manual: Approx. 0.005°/s – 150°/s Micto track/ Auto pan/ Preset sequence/ Patrol 10 s / 20 s / 30 s / 1 min / 2 min / 3 min / 5 min / 10 min / 20 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, Germa, Spanish, Portuguese, Russian, Chinese, Iapanese Microsoft Edge, Firefox, Google Chrome 108aser T / 1008aser TX, R445 connector [16 : 9 mode (50 fps mode)] ⁷ 2, [16 : 9 mode (30 fps mode)], [16 : 9 mode (50 fps mode)] ⁷ 2, [16 : 9 mode (25 fps mode)] 1280x400, VGA, QVGA [4 : 3 mode (15 fps mode)], [4 : 3 mode (25 fps mode)] 2048x1536 ⁶⁴ , 1280x960, VGA, QVGA Constant bir rate / VBR / Frame rate / Best effort		
System o Adjusting Pan/tilt Browser GUI	Focus range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) n Chip (50C) g Angle Panning Range Panning Speed 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)	Horizontal : 1.6° (TELE) – 51° (WIDE), Vertical : 1.2° (TELE) – 39° (WIDE) 1 : 1.6 (WIDE) – 1 : 4.35 (TELE) 3 m (18-?)f64 inches) – ∞ Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft Wide: 1.2 m / 39.6 ft, Tele: 209.5 m / 687.4 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 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 / 60 min Brightness, AUX On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 108ase -T1 / 1008ase-TX, R45 connector 16 f: 9 mode (60 fps mode)]*2 , [f6 : 9 mode (30 fps mode)], [16 : 9 mode (30 fps mode)]*2 , [f6 : 3 mode (25 fps mode)] 1280x960, VCA, QVCA [4 : 3 mode (15 fps mode)], [4 : 3 mode (12.5 fps mode)] 204x81536'4 , 1280x960, VCA, QVCA		

		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		
	Audio Compression	G.726 (ADPCM) : 16 kbps / 32 kbps		
		G.711 : 64 kbps		
		AAC-LC ^{*G} : 64 kbps / 96 kbps / 128 kbps Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)		
	Audio transmission mode			
	Supported Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v2 DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, SFTP, MQTT, LLD		
		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, SFTP, 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		
Aldiii	Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification,		
	Marminedons	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		
output	rormerophone input.	(Sensitivity of microphone : -51 dB to -38 dB (0 dB=1 V/Pa, 1 kHz))		
		Input impedance : Approx. 2 k Ω (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)		
	Addio Odtput	Output impedance : Approx. 600 Ω (unbalanced)		
	Esternal I/O Terrainale	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		
General	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		
	rower consumption	PoE++ DC 54 V 940 mA, Approx. 50.84 W(Class6 device)		
		PoE+ DC 54 V 470 mA, Approx. 25.4 W(Classe device)		
	Ambient Operating			
	Temperature	-50 °C to +60 °C (-58 °F to +140 °F) (AC24V, PoE++)		
	remperature	-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})		
	Archingt On systing I burgidity	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 complian		
	Shock Resistance Other standard support	IK10 (IEC 62262) 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		
	1111311	(-Z4K model : Heavy-duty salt damage-resistant coating)		
		Outer fixing screws : Stainless steel (Corrosion-resistant treatment)		
		Dome section : Polycarbonate resin, Clear (with ClearSight coating)		
1.Con	dualua	some section in orgen bonate ream, clear (with clear signe coatility)		
1 Converte				
		Super Dynamic function is automatically set to off.		
		on of the supported web browsers, refer to our support website <control c0132<="" no.:="" td=""></control>		
	super resolution techniques			
5 Transmi	ssion for 4 streams can be ind	ividually set. nemory card, only use AAC-LC (Advanced Audio Coding - Low Complexity).		

Appearance



Unit : mm (inches)

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

AI Video Motion Detection (AI-VMD)

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

AI Privacy Guard

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

AI Face Detection

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

AI People Detection

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

3rd party applications are also available.

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

Optional Accessories

Fiber Optic Media Converter Unit

Fiber Optic Media Converter Unit supports long distance optical networks by converting copper RJ45 to fiber.

(i-PRO white)	Basic specifications		 Support specifications for SFP module 	
	Power source	24 V AC(50 Hz/60 Hz)	SFP Port Type	LC type
	Ambient Operating Temperature :	-40 °C to +60 °C{-40 °F to 140 °F} (Power On range: -30 to +60 {-22 °F to 140 °F})	Ethernet Speed	100/1000 Mbps
	Ambient Operating Humidity :	10 % to 100 % (no condensation)	Supply voltage, current	3.3 V typical, Max. 300 mA
9 W	Waterproof	IP66(IEC60529)	SFP Cage	Standard mini-SFP cage
	Shock resistance	IK10(IEC62262)		(For 6.5 mm pitch SFP)
o <u>₹</u> ₹ ∎	*Refer to website for compatible SFP module	s. https://i-pro.com/global/en/surveillance/training-support/support/technical-information <control :="" c0504="" no.=""></control>		

Mount Bracket / Other

Extension Unit

_										
_	WALL	POLE	CORNER	HANGING	CEILING	OTHER				
	1	1	1	1	1	1				
combination	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)				
	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.



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AI Vehicle Detection

tract 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.