

WV-S61302-Z4

S series PTZ camera with AI

2MP (1080p) 40x Indoor 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
- ONVIF® Profile G / M / S / T
 *ONVIF is a trademark of ONVIF, Inc.
- FIPS 140-2 level3 certified

Industry examples

- Retail (Shopping mall) / Logistics
- Transportation (Airport / Train, Subway station)
- Bank
- Casino





Specifications

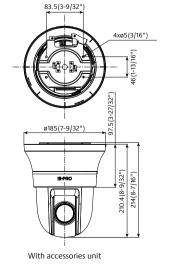
Camera	Image Sensor	Approx. 1/2.8 type CMOS image sensor			
	Minimum Illumination	Color: 0.015 lx (50IRE, F1.6, 1/30s)			
		Color: 0.001 lx (50IRE, F1.6, 16/30s)*1			
		BW: 0.006 lx (50IRE, F1.6, 1/30s)			
		BW: 0.0004 lx (50IRE, F1.6, 16/30s)			
	White Balance	ATW1 / ATW2 / AWC			
	Shutter Speed	[60 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. Max.144 dB (Super Dynamic: On, Level 31) The level can be set in the range of 0 to 255. BLC (Back light compensation) / HLC (High light compensation) / Off The level can be set in the range of 0 to 31 (only when Super dynamic / Intelligent Auto: Of			
	Dynamic Range				
	Adaptive Black Stretch				
	Back light compensation /				
	High light compensation				
	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 On / Off On /			
	Image Stabilizer				
	Camera Title (OSD)				
	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 {5/32 inches - 6-11/16 inches}			
		Horizontal : 1.9° (TELE) – 66° (WIDE), Vertical : 1.1° (TELE) – 39° (WIDE) [4 : 3 mode] Horizontal : 1.4° (TELE) – 51° (WIDE), Vertical : 1.1° (TELE) – 39° (WIDE)			
	Maximum Aperture Ratio	1:1.6 (WIDE) - 1:4.95 (TELE)			
	Focus range	3 m {118-1/8 inches} - ∞			
DORI	Detect (25ppm / 8ppf)	Wide: 60.3 m / 197.8 ft, Tele: 2095.2 m / 6873.9 ft			
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JON	Observe (62.5ppm / 19ppf)	Wide: 24.1 m / 79.1 ft, Tele: 838.1 m / 2749.5 ft			
JORI	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf)	Wide: 12.1 m / 39.6 ft, Tele: 419.0 m / 1374.8 ft			
	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf)	Wide: 12.1 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			
System o	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) on Chip (SoC)	Wide: 12.1 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			
System o	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) on Chip (SoC) g Angle	Wide: 12.1 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: -25 to +205°, Yaw: 0°			
System o	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) on Chip (SoC) g Angle Panning Range	Wide: 12.1 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: -25 to +205°, Yaw: 0° 360° Endless Panning			
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System o	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) In Chip (SoC) g Angle Panning Range Panning Speed	Wide: 12.1 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: -25 to +205°, Vaw: 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s			
System o	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) In Chip (SoC) g Angle Panning Range Panning Speed Tilting Range	Wide: 12.1 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: -25 to +205°, Yaw: 0° 360° Endless Panning Manual: Approx. 0.065°/s − 150°/s Preset: Up to approx. 500°/s Operational -25 - +205°			
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System o	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) In Chip (SoC) g Angle Panning Range Panning Speed Tilting Range Tilting Range Preset Positions	Wide: 12.1 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: -25 to +205°, Yaw: 0° 360° Endless Panning Manual: Approx. 0.065° s −150° s Preset: Up to approx. 500° s Operational: -25 − +205° Manual: Approx. 0.065° s −150° s Preset: Up to approx. 350° s 256 positions			
System o	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) In Chip (SoC) g Angle Panning Range Panning Speed Tilting Range Tilting Speed	Wide: 12.1 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: -25 to +205°, Yaw: 0° 360° Endless Panning Manual: Approx. 0.065° s - 150° s Preset: Up to approx. 500° s Operational -25 - +205° Manual: Approx. 0.065° s - 150° s Preset: Up to approx. 350° s 256 positions Auto track Auto pan Preset sequence Patrol			
System o Adjusting Pan/tilt	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) In Chip (SoC) g Angle Panning Range Panning Speed Tilting Range Tilting Range Preset Positions	Wide: 12.1 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: -25 to +205°, Yaw: 0° 360° Endless Panning Manual: Approx. 0.065° s −150° s Preset: Up to approx. 500° s Operational: -25 − +205° Manual: Approx. 0.065° s −150° s Preset: Up to approx. 350° s 256 positions			
System o Adjusting Pan/tilt	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) In Chip (5oC) g Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode	Wide: 12.1 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 : -25 to +205°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065° s - 150° s Preset: Up to approx. 500° s Operational -25 - +205° Manual: Approx. 0.065° s - 150° s Preset: Up to approx. 350° 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 30 min 60 min Brightness, AUX On Off			
System o Adjusting Pan/tilt	Observe (62-Sppm / 19ppf) Recognize (125ppm / 38ppf) Recognize (125ppm / 76ppf) Identify (250ppm / 76ppf) In Chip (soc) Panning Range Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return	Wide: 12.1 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: -25 to +205°, Yaw: 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -25 - +205° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s Deprational -25 - 4205° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 350°/s S256 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 mil Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High			
System o Adjusting Pan/tilt	Observe (62-Sppm / 19ppf) Recognize (125ppm / 38ppf) Recognize (125ppm / 76ppf) Identify (250ppm / 76ppf) In Chip (soc) Panning Range Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio	Wide: 12.1 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: -25 to +205°, Yaw: 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -25 - +205° Manual: Approx. 0.065°/s-150°/s Preset: Up to approx. 5005°/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 mi Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High			
System o Adjusting Pan/tilt	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) In Chip (SoC) g Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language	Wide: 12.1 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 : -25 to +205°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065° s -150° s Preset: Up to approx. 500° s Operational -25 -4205° Preset: Up to approx. 350° 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 mi Brightness, AUX On Off Mic (Line) Input: On Off Volume adjustment: Low Middle High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanee			
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System o Adjusting Pan/tilt Browser GUI	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Recognize (125ppm / 76ppf) Chip (5oC) G Angle Panning Range Panning Speed Tilting Range Tilting Range Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser'3	Wide: 12.1 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: -25 to +205°, Yaw: 0° 360° Endless Panning Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s Operational -25 - 4205° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 350°/s Solitions 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, Japane: Microsoft Edge, Firefox, Google Chrome 108ase-T / 1008ase-TX, R145 connector 116: 9 mode (50 fps mode)] 12. [16: 9 mode (30 fps mode)] 116: 9 mode (50 fps mode)] 12. [16: 9 mode (25 fps mode)] 11920x1080, 1280x720, 640x360, 320x180			
System o Adjusting Pan/tilt Browser GUI	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) In Chip (SoC) g 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	Wide: 12.1 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: -25 to +205°, Yaw: 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -25 - 4205° Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Solotions 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, Japane: Microsoft Edge, Firefox, Google Chrome OBase-T / 1008ase-TX, RI45 connector 106: 9 mode (50 fps mode)] ¹² , [16: 9 mode (25 fps mode)] 1920x1080, 1280x720, 640x360, 320x180 14: 3 mode (15 fps mode)], [4: 3 mode (25 fps mode)] 1280x960, VGA, QVGA 14: 3 mode (15 fps mode)], [4: 3 mode (12.5 fps mode)]			
System o Adjusting Pan/tilt Browser GUI	Observe (62-Sppm / 19ppf) Recognize (125ppm / 38ppf) Recognize (125ppm / 76ppf) Identify (250ppm / 76ppf) In Chip (SoC) Identify (250ppm / 76ppf) Iting Range Panning 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: 12.1 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 : -25 to +205°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065° s -150° s Preset: Up to approx. 500° s Operational -25 -4205° Preset: Up to approx. 350° 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 mi 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 (50 fps mode)] 2, [16: 9 mode (25 fps mode)] 16: 9 mode (50 fps mode)] 2, [16: 9 mode (25 fps mode)] 1280x960, VGA, QVGA 4: 3 mode (30 fps mode)], [4: 3 mode (25 fps mode)] 2048x1536 4 , 1280x960, VGA, QVGA 4: 3 mode (15 fps mode)], (4: 3 mode (12.5 fps mode)] 2048x1536 4 , 1280x960, VGA, QVGA			
System o Adjusting Pan/tilt Browser GUI	Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) In Chip (SoC) g 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	Wide: 12.1 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: -25 to +205°, Yaw: 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Operational -25 - 4205° Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 500°/s Solotions 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, Japane: Microsoft Edge, Firefox, Google Chrome OBase-T / 1008ase-TX, RI45 connector 106: 9 mode (50 fps mode)] ¹² , [16: 9 mode (25 fps mode)] 1920x1080, 1280x720, 640x360, 320x180 14: 3 mode (15 fps mode)], [4: 3 mode (25 fps mode)] 1280x960, VGA, QVGA 14: 3 mode (15 fps mode)], [4: 3 mode (12.5 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 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*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, ICMP, ARP, IEEE 802.1X, DiffServ, SFTP, MQTT, LLDP IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, 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			
	Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification Indication on browser, TCP alarm notification output			
Input/ Output	Audio input For microphone 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 : Approx. –10 dBV			
	Audio Output	ø3.5 mm stereo mini jack (monaural output)			
	Addio Odtpdt	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)			
	Excernar 1/0 Terrimidis	ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ AUX OUT) (x1)			
General	Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1			
General					
	FMC	ECC. (Part15 ClassA). ICES-003 Issue 7 ClassA. EN55032 ClassA. EN55035			
	EMC Power Source and	FCC (Part15 ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 DC12 V. PoF (IFFF802-3af)			
	Power Source and	DC12 V, PoE (IEEE802.3af)			
		DC12 V, PoE (IEEE802.3af) DC12 V: 970 mA / Approx. 11.6 W			
	Power Source and Power Consumption	DC12 V, POE (IEEE802.3af) DC12 V: 970 mA / Approx. 11.6 W POE DC 48 V: 270 mA / Approx.12.95 W (Class Odevice)			
	Power Source and Power Consumption Ambient Operating	DC12 V, POE (IEEE802.3af) DC12 V: 970 mA / Approx. 11.6 W POE DC 48 V: 270 mA / Approx. 12.95 W (Class Odevice) -10 °C to +50 °C (+14 °F to +122 °F)			
	Power Source and Power Consumption Ambient Operating Temperature	DC12 V, POE (IEEE802.3af) DC12 V: 970 mA / Approx. 11.6 W POE DC 48 V: 270 mA / Approx.12.95 W (Class Odevice) -10 °C to +50 °C (+14 °F to +122 °F) (Power On range : 0 °C to +50 °C (+32 °F to +122 °F))			
	Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity	DC12 V, POE (IEEE802.3af) DC12 V: 970 mA / Approx. 11.6 W POE DC 48 V: 270 mA / Approx. 12.95 W (Class Odevice) -10 °C to +50 °C (+14 °F to +122 °F)			
	Power Source and Power Consumption Ambient Operating Temperature	DC12 V, POE (IEEE802.3af) DC12 V: 970 mA / Approx. 11.6 W POE DC 48 V: 270 mA / Approx. 12.95 W (Class Odevice) -10 °C to +50 °C (+14 °F to +122 °F) (Power On range : 0 °C to +50 °C (+32 °F to +122 °F)) 10 to 90 % (no condensation)			
	Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System	DC12 V, POE (IEEE802.3af) DC12 V: 970 mA / Approx. 11.6 W POE DC 48 V: 270 mA / Approx.12.95 W (Class Odevice) -10 °C to +50 °C (+14 °E to +122 °F) (Power On range : 0 °C to +50 °C (+32 °F to +122 °F))			

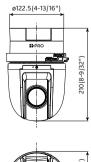
^{*1} Converted value

Appearance

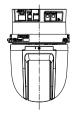
Unit: mm (inches)













^{*2} When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.

² when do lps of 50 lps is selected, the super byhamic function is automatically set to 01.

*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).

Al Analytics applications

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)

Al 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

Al Vehicle Detection

Extract 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

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.

Optional Accessories

Mount Pracket / Other

Mount bracket / Other										
	WALL	POLE	CORNER	HANGING	CEILING					
	1	1	1	1	1	2				
combination	Wall Mount Bracket WV-QWL100-W (White)	Pole Mount Bracket PAPM4W (White)	Corner Mount Bracket PACA4W (White)	Ceiling Mount Bracket WV-QCL101-W '1 (White)	Ceiling Mount Bracket (Embedded) WV-QEM101-W (White)	Ceiling Mount Bracket WV-Q105A (Silver)				
com		Wall Mount Bracket WV-QWL100-W (White)	Wall Mount Bracket WV-QWL100-W (White)							

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

Dome Cover



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Important

- Safety Precautions : Carefully read the Basic Information, Installation Guide and Operating Instructions before using this product.
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- Masses and dimensions are approximate. Specifications are subject to change without notice.

