

# WV-S65501-Z1 WV-S65501-Z1G

(-G:Smoke Dome type)

# S-series PTZ camera with AI Engine

# 5MP 10x Outdoor PTZ Network Camera

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

# 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 AI privacy quard, person/vehicle attribute detection. etc.

## Highly durable pan-tilt drive unit Reduced maintenance costs

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

# Easy installation

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

# High security standard

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

## Key i-PRO Spec.

- 5MP
- 10x optical zoom
- Intelligent Auto (with AI Engine)
- Super Dynamic 132dB
- Color night vision (0.007 to 0.11 lx) (G: 0.020 to 0.32 lx)
- Durable Pan/Tilt gear mechanism
  - :::·PRO

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





WV-S65501-Z1G (Smoke Dome)

WV-S65501-Z1

### **Specifications**

	ifications			
Camera	Image Sensor	Approx. 1/2.8 type CMOS image sensor		
	Minimum Illumination	Color: 0.11 lx (G: 0.32 lx) (50IRE, F1.6, 1/30s)		
		Color : 0.007 lx (G: 0.020 lx) (50IRE, F1.6, 16/30s)*1		
		BW : 0.06 lx (G: 0.18 lx) (50 IRE, F1.6, 1/30s)		
		BW : 0.004 lx (G: 0.011 lx) (50 IRE, F1.6, 16/30s)		
	White Balance			
		ATW1 / ATW2 / AWC		
	Shutter Speed	[30 fps/15 fps mode] 1/30 Fix to 1/10000 Fix		
		[25 fps/12.5 fps mode] 1/25 Fix to 1/10000 Fix		
	Intelligent Auto	On / Off		
	Super Dynamic	On / Off, The level can be set in the range of 0 to 31.		
	Dynamic Range	Max.132 dB (Super Dynamic : On, Level 31)		
		*When the level is set more than 30, frame rate is limited to 15fps		
	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)		
		On / Off, The level can be set in the range of 0 to 8		
	Fog compensation			
		(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)		
	Focus Adjustment	Auto focus		
Lens	Optical zoom	10x (Motorized zoom / Motorized Focus)		
	Extra zoom	Max. 15x (10 to 15x : When resolution is 1280 x 720)		
	Focal length	4.7 - 47 mm {3/16 inches - 1-27/32 inches}		
	Angular Field of View	[16 : 9 mode]		
	5	Horizontal : 6.2° (TELE) – 58° (WIDE), Vertical : 3.5° (TELE) – 34° (WIDE)		
		[ 4:3 mode]		
		Horizontal : 6.2° (TELE) - 58° (WIDE), Vertical : 4.6° (TELE) - 44° (WIDE)		
	Mauianum Assature Datis	1:1.6 (WIDE) - 1:3.0 (TELE)		
	Maximum Aperture Ratio			
	Focus range	1.5 m {59-1/16 inches} - ∞		
DORI	Detect (25ppm / 8ppf)	Wide: 92.4 m / 110.8 m ( 303 ft / 363.7 ft), Tele: 945.4 m / 1134.5 m (3101.6 ft / 3722 ft)		
	Observe (62.5ppm / 19ppf)	Wide: 36.9 m / 44.3 m (121.2 ft / 145.5 ft), Tele: 378.2 m / 453.8 m (1240.7 ft / 1488.8 ft)		
	Recognize (125ppm / 38ppf)	Wide: 18.5 m / 22.2 m (60.6 ft / 72.7 ft), Tele: 189.1 m / 226.9 m ( 620.3 ft / 744.4 ft)		
	Identify (250ppm / 76ppf)	Wide: 9.2 m / 11.1 m ( 30.3 ft / 36.4 ft), Tele: 94.5 m / 113.4 m ( 310.2 ft / 372.2 ft)		
e .		Ambarella CV22		
system o	n Chip (SoC)	Ambarella CV22		
System o Adjusting				
Adjusting	g Angle	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0°		
Adjusting	<b>g Angle</b> Panning Range	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning		
Adjusting	g Angle	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s – 150°/s		
Adjusting	<b>g Angle</b> Panning Range	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 (PoE+)		
Adjusting	g <b>Angle</b> Panning Range Panning Speed	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 (PoE+) Preset: Up to approx. 350° /s (DC12V, PoE)		
Adjusting	g Angle Panning Range Panning Speed Tilting Range	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 (PoE+) Preset: Up to approx. 350 °/s (DCI2V, PoE) Operational -15 - +195°		
Adjusting	g <b>Angle</b> Panning Range Panning Speed	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 (PoE+) Preset: Up to approx. 350°  s (DC12V, PoE) Operational -15 - +195° Manual: Approx. 0.065°  s -150°  s		
Adjusting	g Angle Panning Range Panning Speed Tilting Range	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 (POE+) Preset: Up to approx. 350° /s (DC12V, POE) Operational -15 - +195° Manual: Approx. 0.065° /s -150°/s Preset: Up to approx. 500° /s (POE+)		
Adjusting	g Angle Panning Range Panning Speed Tilting Range Tilting Speed	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 (PoE+) Preset: Up to approx. 350°/s (DC12V, PoE) Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+) Preset: Up to approx. 500°/s (PoE+) Preset: Up to approx. 300°/s (DC12V, PoE)		
Adjusting	g Angle Panning Range Panning Speed Tilting Range	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 (POE+) Preset: Up to approx. 350° /s (DC12V, POE) Operational -15 - +195° Manual: Approx. 0.065° /s -150°/s Preset: Up to approx. 500° /s (POE+)		
Adjusting	g Angle Panning Range Panning Speed Tilting Range Tilting Speed	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 (PoE+) Preset: Up to approx. 350°/s (DC12V, PoE) Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+) Preset: Up to approx. 500°/s (PoE+) Preset: Up to approx. 300°/s (DC12V, PoE)		
Adjusting	a Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions	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 (PCE+) Preset: Up to approx. 350 °  s (DCI2V, POE) Operational - 15- +195° Manual: Approx. 0.065°  s -150°  s Preset: Up to approx. 500 °  s (PCE+) Preset: Up to approx. 500 °  s (PCE+) Preset: Up to approx. 300 °  s (DCI2V, POE) 256 positions		
Adjusting	g Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode	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 (PoE+) Preset: Up to approx. 350°/s (DC12V, PoE) Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+) Preset: Up to approx. 500°/s (PoE+) Preset: Up to approx. 300°/s (DC12V, PoE) 256 positions Auto Track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min		
Adjusting Pan/tilt Browser	a Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065° [s – 150° [s Preset: Up to approx. 350° [s (DC12V, POE) Operational - 15– +195° Manual: Approx. 0.065° [s -150° [s Manual: Approx. 0.065° [s -150° [s Preset: Up to approx. 500° [s (PCE+) Preset: Up to approx. 500° [s (PCE+) Preset: Up to approx. 300° [s (DC12V, POE) 256 positions Auto Track / Auto pan / Preset sequence / Patrol 10 s / 20 s / 30 s / 1 min / 2 min / 3 min / 5 min / 10 min / 30 min / 60 min Brightness, AUX On / Off		
Adjusting Pan/tilt	g Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return	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 (PoE+) Preset: Up to approx. 350°/s (DC12V, PoE) Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 300°/s (PoE+) Preset: Up to approx. 300°/s (DC12V, PoE) 256 positions Auto Track / Auto pan/ Preset sequence / Patrol 10 s/ 20 s/ 3 nsin / 2 min / 3 min / 5 min / 10 min / 30 min / 60 min Brightness, AUX On / Off Wic (Line) Input : On / Off Volume adjustment : Low / Middle / High		
Adjusting Pan/tilt Browser	a Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 350°/s (PoE+) Preset: Up to approx. 350°/s (DC12V, PoE) Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500°/s (PoE+) Preset: Up to approx. 300°/s (PoE+) Preset: Up to approx. 300°/s (DC12V, PoE) 256 positions Auto Track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min Brightness, AUX On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High		
Adjusting Pan/tilt Browser	a Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065° /s – 150° /s Preset: Up to approx. 350° /s (PoE+) Preset: Up to approx. 350° /s (PoE+) Manual: Approx. 0.065° /s -150° /s Manual: Approx. 0.065° /s -150° /s Preset: Up to approx. 300° /s (PoE+) Preset: Up to approx. 300° /s (PoE+) Preset: Up to approx. 300° /s (PoE+) Preset: Up to approx. 300° /s (DC12V, PoE) 256 positions Auto Track / Auto pan / Preset sequence / Patrol 10 s / 20 s / 30 s / 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 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 English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese		
Adjusting Pan/tilt Browser GUI	a Angle Panning Range Panning Speed Tilting Range Tilting Range Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser'2	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 (PoE+) Preset: Up to approx. 350 °/s (DC12V, PoE) Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 500 °/s (PoE+) Preset: Up to approx. 500 °/s (PoE+) Preset: Up to approx. 300 °/s (DC12V, PoE) 256 positions Auto Track / Auto pan / Preset sequence / Patrol 10 s/20 s/3 0s/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 : Cn / 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	a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser <sup>2</sup> Network IF	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 350°/s (PoE+) Preset: Up to approx. 350°/s (DC12V, PoE) Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 300°/s (PoE+) Preset: Up to approx. 300°/s (DC12V, PoE) 256 positions Auto Track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/ 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 60 min Brightness, AUX On / Off Mic (Line) Iput : 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-TJ, 100Base-TX, RJ45 connector		
Adjusting Pan/tilt Browser GUI	a Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser <sup>22</sup> Network IF Resolution	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065° [s – 150° [s Preset: Up to approx. 350° [s (DC12V, PoE) Operational - 15 – +195° Manual: Approx. 0.065° [s -150° [s Preset: Up to approx. 300° [s (DC12V, PoE) Preset: Up to approx. 300° [s (DC12V, PoE) 256 positions Auto Track / Auto pan/ Preset sequence/ Patrol 10 s] 20 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, Cerman, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, RI45 connector [16 : 9 mode (30 fps mode)],[16 : 9 mode (25 fps mode)]		
Adjusting Pan/tilt Browser GUI	a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser <sup>2</sup> Network IF	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065°/s - 150°/s Preset: Up to approx. 350°/s (PoE+) Preset: Up to approx. 350°/s (DC12V, PoE) Operational -15 - +195° Manual: Approx. 0.065°/s -150°/s Preset: Up to approx. 300°/s (PoE+) Preset: Up to approx. 300°/s (DC12V, PoE) 256 positions Auto Track / Auto pan/ Preset sequence/ Patrol 10 s/ 20 s/ 30 s/ 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 60 min Brightness, AUX On / Off Mic (Line) Iput : 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-TJ, 100Base-TX, RJ45 connector		
Adjusting Pan/tilt Browser GUI	a Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser <sup>22</sup> Network IF Resolution	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065° [s – 150° [s Preset: Up to approx. 350° [s (DC12V, PoE) Operational - 15 – +195° Manual: Approx. 0.065° [s -150° [s Preset: Up to approx. 300° [s (DC12V, PoE) Preset: Up to approx. 300° [s (DC12V, PoE) 256 positions Auto Track / Auto pan/ Preset sequence/ Patrol 10 s] 20 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, Cerman, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, RI45 connector [16 : 9 mode (30 fps mode)],[16 : 9 mode (25 fps mode)]		
Adjusting Pan/tilt Browser GUI	a Angle Panning Range Panning Speed Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser <sup>22</sup> Network IF Resolution	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065° [s – 150° [s Preset: Up to approx. 350° [s (DC12V, PoE) Operational -15 - +195° Manual: Approx. 0.065° [s – 150° [s Preset: Up to approx. 350° [s (DC12V, PoE) Operational -15 - +195° Manual: Approx. 0.065° [s – 150° [s Preset: Up to approx. 300° [s (DC12V, PoE) 256 positions Auto Track / Auto pan/ Preset sequence/ Patrol 10 s / 20 s / 30 s / 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 30 min / 60 min Brightness, Autx On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Auto Torack I - 10 f Volume adjustment : Low / Middle / High Auto Loty t : On / Off Volume adjustment : Low / Middle / High Auto Torast English, Italian, French, Germa, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, RI45 connector <b>[16 : 9 mode (25 fps mode)]</b>		
Adjusting Pan/tilt Browser	a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser <sup>22</sup> Network IF Resolution H.265/ H.264/ JPEG (MJPEG)	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065° [s – 150° [s Preset: Up to approx. 350° [s (DC12V, P6E) Operational - 15 – +195° Manual: Approx. 0.065° [s -150° [s Preset: Up to approx. 300° [s (DC12V, P6E) Preset: Up to approx. 300° [s (DC12V, P6E) 256 positions Auto Track / Auto pan / Preset sequence / Patrol 10 s] 20 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 10Base-T / 100Base-TX, RI45 connector 116 : 9 mode (30 fps mode)], [16 : 9 mode (25 fps mode)] 3072x1728 <sup>3</sup> , 2560x1420, 1280x260, 800x600, VGA, 400x300, 320x240		
Adjusting Pan/tilt Browser GUI	a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser <sup>22</sup> Network IF Resolution H.265/ H.264/ JPEG (MJPEG) H.265/ Transmission Mode	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065° [s – 150° [s Preset: Up to approx. 350° [s (DC12V, PoE) Operational -15 - +195° Manual: Approx. 0.065° [s – 150° [s Preset: Up to approx. 300° [s (DC12V, PoE) 256 positions Auto Track / Auto pan/ Preset sequence/ Patrol 10 s / 20 s / 30 s / 1 min / 2 min / 3 min / 5 min / 10 min / 20 min / 30 min / 60 min Brightness, AuX On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Auto Track / J. Auto pan, Spanis, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10 Baser / 100Base-TX, RI45 connector 16 : 9 mode (30 fps mode)], 16 : 9 mode (25 fps mode)] 3072x1728 <sup>13</sup> , 2560x1440, 1920x1080, 1280x720, 640x360, 320x180 [4 : 3 mode (30 fps mode)], [4 : 3 mode (25 fps mode)] 3072x240 <sup>24</sup> , 2560x1920, 1280x960, 800x600, VGA, 400x300, 320x240		
Adjusting Pan/tilt Browser GUI	a Angle Panning Range Panning Speed Tilting Range Tilting Range Tilting Speed Preset Positions Auto Mode Self Return Camera Control Audio GUI / Setup Menu Language Browser <sup>22</sup> Network IF Resolution H.265/ H.264/ JPEG (MJPEG)	Horizontal : 360° Endless Panning, Vertical : -15° to +195°, Yaw : 0° 360° Endless Panning Manual: Approx. 0.065° [s – 150° [s Preset: Up to approx. 350° [s (DC12V, P6E) Operational - 15 – +195° Manual: Approx. 0.065° [s -150° [s Preset: Up to approx. 300° [s (DC12V, P6E) Preset: Up to approx. 300° [s (DC12V, P6E) 256 positions Auto Track / Auto pan / Preset sequence / Patrol 10 s] 20 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 10Base-T / 100Base-TX, RI45 connector 116 : 9 mode (30 fps mode)], [16 : 9 mode (25 fps mode)] 3072x1728 <sup>3</sup> , 2560x1420, 1280x260, 800x600, VGA, 400x300, 320x240		

	Smart Coding	GOP (Group of pictures) control:
	coung	Off/ Low (Variable GOP 1s-8s)/ Mid (Variable GOP 4s-16s)/
		Advanced (Fixed GOP 60s w/1s key-frame)/
		Frame rate control (Variable GOP 4s-16s with frame rate control)
		*Advanced and Frame rate control are only available with H.265.
		Smart Coding: Auto VIQS: On/Off
	Audio Compression	G.726 (ADPCM) : 16 kbps / 32 kbps
	hadio compression	G.711 : 64 kbps
		AAC-LC <sup>*5</sup> : 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,
	Supported Protocol	IPVO . ICP/IP, ODP/IP, HTP, HTP, SSL/IES, SWIF, DVS, NTP, SWIPVI/VZ/VS, DHCPV6, RTP, MLD, ICMP, ARP, IEEE 802.1X, Diffserv, SFTP, MQTT, LLDP IPV4 : TCP/IP, UDP/IP, HTTP, STSL/TLS, RTSP, RTP, RTP/RTCP, SWTP, DHCP, DNS, DDNS, NTP, SNMPv1/V2/V3, UPAP, 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 level 3 (NXP <sup>®</sup> EdgeLock <sup>®</sup> SE050F),
	Secure	Device Certificate GlobalSign <sup>®</sup> pre-installed, User authentication,
		Host authentication, HTTPS, Data encryption, 802.1X Support H.265 / H.264 recording :
	SDXC/SDHC/SD	
	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 <sup>®</sup> Profile	G / M / S / T
rm	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
ut/	Audio input	ø3.5 mm stereo mini jack
tput	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
		ø3.5 mm stereo mini jack (monaural output)
	Audio Output	
	Audio Output	Output impedance : Approx. 600 Ω (unbalanced)
		Output level : -20 dBV
	External I/O Terminals	Output level : -20 dBV ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1)
	External I/O Terminals	Output level : -20 dBV ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1) ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ AUX OUT) (x1)
neral	External I/O Terminals Safety	Output level : -20 dBV ALR&M N1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1) ALR&M N2 (Alarm input 2) ALR&M OUT) (x1), ALR&M N3 (Alarm input 3) AUX OUT) (x1) UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1
neral	External I/O Terminals Safety EMC	Output level : -20 dBV 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/ AUXOUT) (x1) UL (UL62368-1), -UL (CSA C22. 2 No.62368-1), CE, IEC62368-1 FCC (Part15 ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035
neral	External I/O Terminals Safety	Output level : -20 dBV ALR&M N1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1) ALR&M N2 (Alarm input 2) ALR&M OUT) (x1), ALR&M N3 (Alarm input 3) AUX OUT) (x1) UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1
neral	External I/O Terminals Safety EMC	Output level : -20 dBV 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/ AUXOUT) (x1) UL (UL62368-1), -UL (CSA C22. 2 No.62368-1), CE, IEC62368-1 FCC (Part15 ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035
neral	External I/O Terminals Safety EMC Power Source and	Output level : -20 dBV ALARM IN 1 (Alarm input 1) Black & white input 1/ Auto time adjustment input 1 (x1) ALARM IN 2 (Alarm input 2) ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ AUX OUT) (x1) UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (PartIS ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 DC12 V, PoE (IEEE802.3af), PoE+ (IEEE802.3at)
neral	External I/O Terminals Safety EMC Power Source and	Output level : -20 dBV ALRAM N1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1) ALRAM N2 (Alarm input 2) ALARM OUT) (x1), ALRAM N3 (Alarm input 3) AUX OUT) (x1) UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (PartIS ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 DC12 V, PoE (IEEER02.31), POE+(IEEER02.34); When using at TILT rotation speed 300dps
neral	External I/O Terminals Safety EMC Power Source and	Output level : -20 dBV ALARM IN 1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1) ALARM IN 2 (Alarm input 2) ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ AUX OUT) (x1) UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (Part15 ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 DC12 V, n-DE (IEEE802.3af), POE+ (IEEE802.3at) When using at TLIT rotation speed 300dps DC12 V : 1.3 A / approx. 15.4 W
neral	External I/O Terminals Safety EMC Power Source and	Output level : -20 dBV ALARM IN 1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1) ALARM IN 2 (Alarm input 2) ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ AUX OUT) (x1) UI (UL62368-1), -C-UL (CSA C22.2 No.62368-1), -CE, IEC62368-1 FCC (Part15 ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 DC12 V, PoE (IEEE802.3af), PoE+ (IEEE802.3at) When using at TILT rotation speed 300dps DC12 V: 1.3 A / approx. 15.4 W PoE DC 48 V : 270 mA / approx. 12.95 W (Class 0 device)
neral	External I/O Terminals Safety EMC Power Source and	Output level : -20 dBV ALARM N1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1) ALARM N2 (Alarm input 2) ALARM OUT) (x1), ALARM N3 (Alarm input 3) AUX OUT) (x1) UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (PartIS ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 DC12 V, PoE (IEEE802.3af), PoE+ (IEEE802.3af) When using at TILT rotation speed 300dps DC12 V : 1.3 A / approx. 15.4 W PoE DC 48 V : 270 mA / approx. 12.95 W (Class 0 device) When using at TILT rotation speed 500dps
heral	External I/O Terminals Safety EMC Power Source and Power Consumption	Output level : -20 dBV ALRAM IN 1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1) ALRAM IN 2 (Alarm input 2) ALRAM OUT) (x1), ALRAM IN 3 (Alarm input 3/ AUX OUT) (x1) UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (PartIS ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 DC12 V, POE (IEEE802.3af), POE+ (IEEE802.3at) When using at TILT rotation speed 300dps DC12 V : 1.3 A / approx. 15.4 W POE DC 48 V : 270 mA / approx. 12.95 W (Class 0 device) When using at TILT rotation speed 300dps POE+DC 54 V : 350 mA / approx. 18.9 W (Class 4 device)
heral	External I/O Terminals Safety EMC Power Source and Power Consumption Ambient Operating	Output level : -20 dBV           ALARM IN 1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1)           ALARM IN 2 (Alarm input 2) ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ AUX OUT) (x1)           UL (UL62368-1), c-UL (CSA (C22, 2No. 62368-1), CE, IEC62368-1)           FCC (Part15 ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035           DC12 V, PoE (IEEE802.3af), PoE+ (IEEE802.3at)           When using at TILT rotation speed 300dps           DC12 V : 1.3 A / approx. 15.4 W           PoE DC 48 V : 270 mA / approx. 12.95 W (Class 0 device)           When using at TILT rotation speed 500dps           POE+DC 54 V : 350 m A / approx. 18.9 W (Class 4 device)           -30 °C to +55 °C (-22 °F to +131 °F)
neral	External I/O Terminals Safety EMC Power Source and Power Consumption Ambient Operating	Output level : -20 dBV ALARM N1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1) ALARM N2 (Alarm input 2) ALARM OUT) (x1), ALARM N3 (Alarm input 3) AUX OUT) (x1) UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (PartIS ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 DC12 V, PoE (IEEE802.3af), PoE+ (IEEE802.3at) When using at TILT rotation speed 300dps DC12 V: 1.3 A / approx. 15.4 W PoE DC 48 V: 270 mA / approx. 12.95 W (Class 0 device) When using at TILT rotation speed 500dps PoE+ DC 54 V: 350 mA / approx. 18.9 W (Class 4 device) -30 °C to +55 °C (-22 °F to +131 °F) (Power On range : -20 °C to +55 °C (-4 °F to +131 °F))
neral	External I/O Terminals Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity	Output level : -20 dBV ALRAM IN 1 (Alarm input 1) Black & white input / Auto time adjustment input) (x1) ALRAM IN 2 (Alarm input 2) ALRAM OUT) (x1), ALRAM IN 3 (Alarm input 3) AUX OUT) (x1) UL (UL62368-1), c-UL (CSA C22.2 No. 62368-1), CE, IEC62368-1 FCC (PartIS ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 DC12 V, POE (IEE8802.3af), POE+ (IEEE802.3at) When using at TILT rotation speed 300dps DC12 V: 1.3 A / approx. 15.4 W POE DC 48 V: 270 mA / approx. 12.95 W (Class 0 device) When using at TILT rotation speed 500dps POE+ DC 54 V: 350 mA / approx. 18.9 W (Class 4 device) -30 °C to +55 °C (-22 °F to +131 °F) (Power On range : -20 °C to +55 °C (-4 °F to +131 °F)) Maximum temperature according to NEMA TS2(2.2.7) : 74 °C(165 °F)
neral	External I/O Terminals Safety EMC Power Source and Power Consumption Ambient Operating Temperature	Output level : -20 dBV           ALARM IN 1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1)           ALARM IN 2 (Alarm input 2) ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ AUX OUT) (x1)           UL (UL62368-1), c-UL (CSA (C22, No. 62368-1), CE, IEC62368-1           FCC (Part15 ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035           DC12 V, POE (IEEE802.3a1), OPE+ (IEEE802.3a1)           When using at TLIT rotation speed 300dps           DC12 V : 1.3 A / approx. 15.4 W           PoE DC 48 V : 270 mA / approx. 12.95 W (Class 0 device)           When using at TLIT rotation speed 500dps           POE+DC 54 V : 350 mA / approx. 18.9 W (Class 4 device)           -30 °C to +55 °C (-22 °F to +131 °F)           (Paximum temperature according to NEMA TS2(2.2.7) : 74 °C(165 °F)           10 to 100 % (no condensation)
neral	External I/O Terminals Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System	Output level : -20 dBV ALARM N1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1) ALARM N2 (Alarm input 2) ALARM OUT) (x1), ALARM N3 (Alarm input 3) AUX OUT) (x1) UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (PartIS ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 DC12 V, PoE (IEEE802.3af), PoE+ (IEEE802.3at) When using at TILT rotation speed 300dps DC12 V: 1.3 A / approx. 15.4 W POE DC 48 V: 270 m A / approx. 12.95 W (Class 0 device) When using at TILT rotation speed 500dps POE DC 54 V: 350 m A / approx. 18.9 W (Class 4 device) -30 °C to +55 °C (-22 °F to +131 °F) (Power On range : -20 °C to +55 °C (-4 °F to +131 °F)) Maximum temperature according to NEMA TS2(2.2.7) : 74 °C(165 °F) 10 to 100 % (no condensation)
ieral	External I/O Terminals Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System Water and Dust Resistance	Output level : -20 dBV ALRAM IN 1 (Alarm input 1) Black & white input / Auto time adjustment input) (x1) ALRAM IN 2 (Alarm input 2) ALRAM OUT) (x1), ALRAM IN 3 (Alarm input 3) AUX OUT) (x1) UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (PartIS ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 DC12 V, POE (IEEE802.3af), POE+ (IEEE802.3at) When using at TILT rotation speed 300dps DC12 V: 1.3A / approx. 15.4 W POE DC 48 V: 270 mA / approx. 12.95 W (Class 0 device) When using at TILT rotation speed 500dps POE+ DC 54 V: 350 mA / approx. 18.9 W (Class 4 device) -30 °C to +55 °C (-22 °F to +131 °F) (Power On range : -20 °C to +55 °°C (-4 °F to +131 °F)) Maximum temperature according to NEMA TS2(2.2.7) : 74 °C(165 °F) 10 to 100 % (no condensation) Temish element IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant
ieral	External I/O Terminals Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System Water and Dust Resistance Shock Resistance Other standard support	Output level : -20 dBV ALARM N1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1) ALARM N2 (Alarm input 2) ALARM OUT) (x1), ALARM N3 (Alarm input 3) AUX OUT) (x1) UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (PartIS ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 DC12 V, PoE (IEESR03.3n), PoE+ (IEER802.3nt) When using at TILT rotation speed 300dps DC12 V : 1.3 A / approx. 15.4 W POE DC 48 V : 270 mA / approx. 12.95 W (Class 0 device) When using at TILT rotation speed 500dps POE+ DC 54 V : 350 mA / approx. 18.9 W (Class 4 device) -30 °C to +55 °C (-22 °F to +131 °F) (Power On range : -20 °C to +55 °C (-4 °F to +131 °F)) Maximum temperature according to NEMA TS2(2.2.7) : 74 °C(165 °F) 10 to 100 % (no condensation) Temish element IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant IK10 (IEC 62262) NEMA TS2(2.2.7-2.2.9)
neral	External I/O Terminals Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System Water and Dust Resistance Shock Resistance Other standard support Dimensions	Output level : -20 dBV           ALARM N1 {(Alarm input 1) Black & white input/ Auto time adjustment input) {(x1)           ALARM N2 {(Alarm input 2) ALARM OUT) {(x1)           Velocite 23 (Constant) (Constant)           Otto 24 (Constant)           ALARM N2 {(Alarm input 2) ALARM N2 {(Alarm input 3) ALX OUT) {(x1)           Velocite 34 (Constant)           PoE DC 48 (V : 250 (Constant)           PoE DC 54 (V : 350 (Constant)           Temish element           IPe6, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant           IXEM TS2(2.2.7.2.2.9)           ø165 mm x 139 mm (H) {ø6-1/2 inches x 5-15/32 inches {(H)
neral	External I/O Terminals Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System Water and Dust Resistance Shock Resistance Other standard support	Output level : -20 dBV ALARM N1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1) ALARM N2 (Alarm input 2) ALARM OUT) (x1), ALARM N3 (Alarm input 3/ AUX OUT) (x1) UL (UL62368-1), c-UL (CSA C22, 2 No. 62368-1), CE, IEC62368-1 FCC (PartIS ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035 DC12 V, POE (IEEE802.3af), POE+ (IEEE802.3at) When using at TLIT rotation speed 300dps DC12 V : 1.3 A / approx. 15.4 W POE DC 48 V : 270 mA / approx. 12.95 W (Class 0 device) When using at TLIT rotation speed 500dps POE+ DC 54 V : 350 mA / approx. 18.9 W (Class 4 device) -30 °C to +55 °C (-22 °F to +131 °F) (Power On range : -20 °C to +55 °C (-4 °F to +131 °F)) Maximum temperature according to NEMA TS2(2.2.7) : 74 °C(165 °F) 10 to 100 % (no condensation) Temish element IP66, IEC0529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant IK10 (IEC 62262) NEMA TS2(27-2.2.9) ø165 mm x139 mm (H) (ø6-1/2 inches x 5-15/32 inches (H)) Approx. 1.6 kg (3.53 Ib.)
neral	External I/O Terminals Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System Water and Dust Resistance Shock Resistance Other standard support Dimensions Mass (approx.)	Output level : -20 dBV           ALARM IN 1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1)           ALARM IN 2 (Alarm input 2) ALARM OUT) (x1), ALARM IN 3 (Alarm input 3) AUX OUT) (x1)           UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1           FCC (PartIS ClassA), ICES-003 Issue 7 ClassA, EN55032 ClassA, EN55035           DC12 V, POE (IEEE802.3af), POE+ (IEEE802.3at)           When using at TLIT rotation speed 300dps           DC12 V: 1.3A / approx. 15.4 W           PoE DC 48 V : 270 mA / approx. 12.95 W (Class 0 device)           When using at TLIT rotation speed 300dps           POE+ DC 54 V : 350 mA / approx. 18.9 W (Class 4 device)           -30 °C to +55 °C (-22 °F to +131 °F)           Maximum temperature according to NEMA TS2(2.2.7) : 74 °C(165 °F)           10 to 100 % (no condensation)           Temish element           IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant           NEMA TS2(2.2.7-2.2.9)           ø165 mm x 139 mm (H) {ø6-1/2 inches x 5-15/32 inches (H)}

\*1 Converted value

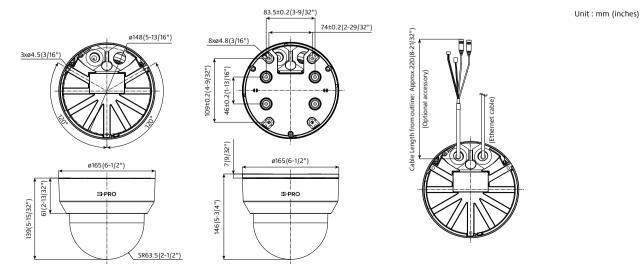
Ala

Inp Out

Ger

\*2 For information on the operation verification of the supported web browsers, refer to our support website <Control No.: C0132>. <sup>2</sup> Used by super resolution techniques
 <sup>4</sup> Transmission for 4 streams can be individually set.
 <sup>5</sup> When recording audio on an microSD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity).

# Appearance



With Attachment plate & Attachment cover

# **Optional Accessories**

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

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

Cable

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

#### Dome Cover



### I/O Cable WV-QCA501A WV-QCA501APK

\*WV-QCA501APK is package of 10 cables.

\*The color of the grommet rubber may differ depending on the production time, but the performance and mounting method will not change.

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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.



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