

# **WV-S1536LN WV-S1536LNS**

## The new Standard by i-PRO video surveillance

## 2MP (1080p) Outdoor Bullet Network Camera

The S-Series network cameras offer a new standard in i-PRO video surveillance with drastically improved image quality with advanced technology. It comes with pre-installed AI analytics applications that detects people and vehicles with accuracy, allowing you to easily start state-of-the-art video surveillance.

The camera can be configured while keeping the unit in the box with the acclaimed "Easy Kitting Packaging", making the installation process smooth and easy.

### **Key Features**

- Drastically improved image quality by advanced technology and Al intelligent Auto
- Pre-installed AI analytics applications to detect human and vehicles. Ready for installing 3rd party applications
- Detecting suspicious sound like Gunshot, Yell, Vehicle horn, and Glass break, with external microphones
- Easy Kitting Package enabling installers to configure cameras easily while keeping the unit in the box
- i-PRO Configuration Tool "iCT" can set up 1024 cameras at the same time.

(iCT page: https://i-pro.com/global/en/surveillance/tools/ict)

#### Key i-PRO Spec.

- 2MP (1080p)
- Intelligent Auto (with AI Engine)
- Super Dynamic 144dB
- Color night vision (0.007 to 0.009 lx)
- Smart Coding (with Al Engine)
- ClearSight Coating
- Built-in IR LED
- WV-S1536LNS:

**Industry examples** 

- Public safety (City / Highway toll / Parking gate)
- Transportation (Airport / Train / Subway)
- Retail / Bank / Logistics / Education / Hospital / Building





#### Specifications

Camera	Image Sensor	Approx. 1/2.8 type CMOS image sensor	
	Minimum Illumination	Color: 0.007 lx (30IRE, F1.3, 1/30s) *1	
		Color: 0.009 lx (50IRE, F1.3, 1/30s)	
		BW: 0.005 lx (50IRE, F1.3, 1/30s)	
		BW: 0 lx (50IRE, F1.3,1/30s with IR LED)	
	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) /	
	High light compensation	Off (only when Super dynamic / Intelligent Auto : Off)	
	Fog compensation	On / Off (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 (IR Light Off) / On (IR Light On) / Auto1 (IR Light Off) /	
		Auto2 (IR Light On) / Auto3 (SCC)	
	IR LED Light	High / Middle / Low / Off,	
		Maximum irradiation distance : 70 m {Approx. 230 ft} (30IRE) *1	
		50 m {Approx. 164 ft} (50IRE)	
	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 8 zones available	
	VIQS	On / Off, Up to 8 zones available	
	Image rotation*3	0°   90°   180°   270°	
	Camera Title (OSD)	On / Off, Up to 40 characters (alphanumeric characters, marks)	
	Focus Adjustment	Auto focus	
Lens	Optical zoom	3.1x (Motorized zoom / Motorized Focus)	
	Extra zoom	3.1x - 9.3x (when resolution is 640 x 360)	
	Focal length	2.9 - 9 mm {1/8 inches - 11/32 inches}	
	Angular Field of View	[16:9 mode]	
		Horizontal : 37° (TELE) – 117° (WIDE), Vertical : 21° (TELE) – 62° (WIDE) [ <b>4 : 3 mode</b> ]	
	Maximum Aportura Patia	Horizontal: 27° (TELE) – 82° (WIDE), Vertical: 21° (TELE) – 62° (WIDE)	
	Maximum Aperture Ratio Focus range	1: 1.3 (WIDE) – 1: 2.5 (TELE) 0.3 m {11-13/16 inches} – ∞	
DORI	Detect (25ppm / 8ppf)	Wide: 23.5 m / 77.2 ft, Tele: 114.8 m / 376.5 ft	
DUKI			
	Observe (62.5ppm / 19ppf)		
	Bosogniza (13Eppm / 39ppf)	Wide: 9.4 m / 30.9 ft, Tele: 45.9 m / 150.6 ft	
	Recognize (125ppm / 38ppf)	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft	
Sustam -	Identify (250ppm / 76ppf)	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft	
	Identify (250ppm / 76ppf) n Chip (SoC)	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft Ambarella CV25M	
Adjusting	Identify (250ppm / 76ppf)	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft Ambarella CV25M Horizontal: ±180 ° (PAN rotation part)	
Adjusting	Identify (250ppm / 76ppf) n Chip (SoC)	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft Ambarella CV25M Horizontal: ±180 ° (PAN rotation part) Vertical: 0 ° to 100 ° (TILT rotation part)	
Adjusting	Identify (250ppm / 76ppf) In Chip (SoC) Ceiling mounting	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft Ambarella CV25M  Horizontal : ±180 ° (PAN rotation part)  Vertical : 0 ° to 100 ° (TILT rotation part)  Yaw : −190 ° to +100 ° (YAW rotation part)	
Adjusting	Identify (250ppm / 76ppf) n Chip (SoC)	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft  Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft  Ambarella CV25M  Horizontal: ±180 ° (PAN rotation part)  Vertical: 0 ° to 100 ° (TILT rotation part)  Yaw: :-190 ° to +100 ° (YAW rotation part)  Horizontal: ±100 ° (TILT rotation part)	
Adjusting	Identify (250ppm / 76ppf) In Chip (SoC) Ceiling mounting	Wide: 4.7 m   15.4 ft, Tele: 23.0 m   75.3 ft   Wide: 2.4 m   7.7 ft, Tele: 11.5 m   37.7 ft   Ambarella CV25M   Horizontal: ±180 ° (PAN rotation part)   Vertical: 0 ° to 100 ° (TILT rotation part)   Yaw: -190 ° to +100 ° (YAW rotation part)   Horizontal: ±100 ° (TILT rotation part)   Vertical: ±100 ° (TILT rotation part)   Vertical: ±100 ° (TILT rotation part)	
Adjusting	Identify (250ppm / 76ppf) In Chip (SoC) Ceiling mounting	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft Ambarella CV25M Horizontal: ±180 ° (PAN rotation part) Vertical: 0 ° to 100 ° (TILT rotation part) Yaw: 190 ° to ±100 ° (TAW rotation part) Horizontal: ±100 ° (TILT rotation part) Vertical: ±100 ° (TILT rotation part) Yaw: 100 ° (TILT rotation part) Yaw: 100 ° (TILT rotation part) Yaw: 100 ° (TILT rotation part)	
Adjusting Angle	Identify (250ppm / 76ppf) n Chip (SoC) Ceiling mounting  Wall mounting	Wide: 4.7 m   15.4 ft, Tele: 23.0 m   75.3 ft	
Adjusting Angle Browser	Identify (250ppm / 76ppf) n Chip (5oc) Ceiling mounting  Wall mounting  Camera Control	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft Ambarella CV25M Horizontal: ±180 ° (PAN rotation part) Vertical: 0 ° to 100 ° (TILT rotation part) Yaw: -190 ° to +100 ° (YAW rotation part) Horizontal: ±100 ° (TILT rotation part)* Vertical: ±100 ° (TILT rotation part)* Yaw: -190 ° to +100 ° (YAW rotation part) Yaw: -190 ° to +100 ° (YAW rotation part) Yaw can change between horizontal and vertical angels by adjusting the PAN rotation part) Brightness, AUX On / Off	
Adjusting Angle Browser	Identify (250ppm / 76ppf) n Chip (SoC) Ceiling mounting  Wall mounting	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft  Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft  Ambarella CV25M  Horizontal: ±180° (PAN rotation part)  Vertical: 0° to 100° (TILT rotation part)  Yaw: -190° to +100° (YAW rotation part)  Horizontal: ±100° (TILT rotation part)*  Vertical: ±100° (TILT rotation part)*  Yertical: ±100° (TILT rotation part)*  Yaw: -190° to +100° (YAW rotation part)  *You can change between horizontal and vertical angels by adjusting the PAN rotation part)  Mic (Line) Input: On / Off  Winc (Line) Input: On / Off	
Adjusting Angle Browser	Identify (250ppm / 76ppf) n Chip (SoC) Ceiling mounting  Wall mounting  Camera Control  Audio	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft  Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft  Ambarella CV25M  Horizontal: ±180 ° (PAN rotation part)  Vertical: 0 ° to 100 ° (TILT rotation part)  Yaw: 190 ° to +100 ° (PAW rotation part)  Horizontal: ±100 ° (TILT rotation part)*  Vertical: ±100 ° (TILT rotation part)*  Vertical: ±100 ° (TILT rotation part)*  Yaw: 190 ° to +100 ° (PAW rotation part)  *You can change between horizontal and vertical angels by adjusting the PAN rotation part)  Brightness, AUX On / Off  Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High  Audio Output: On / Off Volume adjustment: Low / Middle / High	
Adjusting Angle Browser	Identify (250ppm / 76ppf) n Chip (SoC) Ceiling mounting  Wall mounting  Camera Control Audio  GUI / Setup Menu Language	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft  Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft  Ambarella CV25M  Horizontal: ±180° (PAN rotation part)  Vertical: 0° to 100° (TILT rotation part)  Yaw: -190° to +100° (YAW rotation part)  Horizontal: ±100° (TILT rotation part)*  Vertical: ±100° (TILT rotation part)*  Vertical: ±100° (TILT rotation part)*  Yaw: -190° to +100° (YAW rotation part)  Yaw: -190° to +100° (YAW rotation part)  Muc Alange between horizontal and vertical angels by adjusting the PAN rotation part)  Mic (Line) Input: On / Off  Volume adjustment: Low / Middle / High  English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japane	
Adjusting Angle Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) Ceiling mounting  Wall mounting  Camera Control Audio  GUI / Setup Menu Language Browser' 4	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft Ambarella CV25M Horizontal: ±180 ° (PAN rotation part) Vertical: 0 ° to 100 ° (TILT rotation part) Yaw: -190 ° to +100 ° (YAW rotation part) Horizontal: ±100 ° (TILT rotation part) Vertical: ±100 ° (TILT rotation part)* Vertical: ±100 ° (TILT rotation part)* Yaw: -190 ° to +100 ° (YAW rotation part) Yaw: -190 ° to +100 ° (YAW rotation part) Moreon thange between horizontal and vertical angels by adjusting the PAN rotation part) 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	
Adjusting Angle Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) Ceiling mounting  Wall mounting  Camera Control Audio  GUI / Setup Menu Language Browser*4 Network IF	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft  Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft  Ambarella CV25M  Horizontal: ±180 ° (PAN rotation part)  Vertical: 0.0 ° to 100 ° (TILT rotation part)  Yaw: -190 ° to +100 ° (YAW rotation part)  Horizontal: ±100 ° (TILT rotation part)*  Vertical: ±100 ° (TILT rotation part)*  Vertical: ±100 ° (TILT rotation part)*  Vertical: ±100 ° (TILT rotation part)*  *You can change between horizontal and vertical angels by adjusting the PAN rotation part  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, RN45 connector	
Adjusting Angle Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) Ceiling mounting  Wall mounting  Camera Control Audio GUI / Setup Menu Language Browser*4 Network IF Resolution	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft  Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft  Ambarella CV25M  Horizontal: ±180° (PAN rotation part)  Vertical: 0° to 100° (TILT rotation part)  Horizontal: ±100° (TILT rotation part)  Horizontal: ±100° (TILT rotation part)  Vertical: ±100° (TILT rotation part)*  Vertical: ±100° (TILT rotation part)*  Vertical: ±100° (TILT rotation part)*  You can change between horizontal and vertical angels by adjusting the PAN rotation part 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, RJ45 connector  116: 9 mode (60 fps mode)]*2, [16: 9 mode (30 fps mode)],	
Adjusting Angle Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) Ceiling mounting  Wall mounting  Camera Control Audio  GUI / Setup Menu Language Browser*4 Network IF	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft  Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft  Ambarella CV25M  Horizontal: ±180 ° (PAN rotation part)  Vertical: 0 ° to 100 ° (TILT rotation part)  Horizontal: ±100 ° (TILT rotation part)  Vertical: ±100 ° (TILT rotation part)  Vertical: ±100 ° (TILT rotation part)  Vertical: ±100 ° (TILT rotation part)*  Vaw: :-190 ° to +100 ° (YAW rotation part)  Maw :-190 ° to +100 ° (YAW rotation part)  Vau can change between horizontal and vertical angels by adjusting the PAN rotation part  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  10Base-T / 100Base-TX, RJ45 connector  [16: 9 mode (60 fps mode)] <sup>72</sup> , [16: 9 mode (30 fps mode)],  [16: 9 mode (50 fps mode)] <sup>72</sup> , [16: 9 mode (25 fps mode)]	
Adjusting Angle Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) Ceiling mounting  Wall mounting  Camera Control Audio GUI / Setup Menu Language Browser*4 Network IF Resolution	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft  Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft  Ambarella CV25M  Horizontal: ±180° (PAN rotation part)  Vertical: 0° to 100° (TILT rotation part)  Vertical: ±100° (TILT rotation part)  Horizontal: ±100° (TILT rotation part)  Vertical: ±100° (TILT rotation part)*  Vertical: ±100° (TILT rotation part)*  Vertical: ±100° (TILT rotation part)  *You can change between horizontal and vertical angels by adjusting the PAN rotation part  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  10Base-T / 100Base-TX, RI45 connector  [16:9 mode (60 fps mode)]*2, [16:9 mode (30 fps mode)],  [16:9 mode (50 fps mode)]*1920x180	
Adjusting Angle Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) Ceiling mounting  Wall mounting  Camera Control Audio GUI / Setup Menu Language Browser*4 Network IF Resolution	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft  Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft  Ambarella CV25M  Horizontal : ±180 ° (PAN rotation part)  Vertical : 0 ° to 100 ° (TILT rotation part)  Vertical : 190 ° to 1100 ° (TILT rotation part)  Horizontal : ±100 ° (TILT rotation part)  Vertical : ±100 ° (TILT rotation part)*  Vertical : ±100 ° (TILT rotation part)*  Vertical : ±100 ° (TILT rotation part)*  *You can change between horizontal and vertical angels by adjusting the PAN rotation part  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, R45 connector  [16 : 9 mode (60 fps mode)] * (16 : 9 mode (25 fps mode)]  1920x1080, 1280x720, 640x360, 320x180  [4 : 3 mode (30 fps mode)], [4 : 3 mode (25 fps mode)]	
Adjusting Angle Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) Ceiling mounting  Wall mounting  Camera Control Audio GUI / Setup Menu Language Browser*4 Network IF Resolution	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft  Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft  Ambarella CV25M  Horizontal: ±180 ° (PAN rotation part)  Vertical: 0 ° to 100 ° (TILT rotation part)  Vertical: 0 ° to 100 ° (TILT rotation part)  Horizontal: ±100 ° (TILT rotation part)  Vertical: ±100 ° (TILT rotation part)*  Vaw: -190 ° to +100 ° (YAW rotation part)  Maw :-190 ° to +100 ° (YAW rotation part)  Town can change between horizontal and vertical angels by adjusting the PAN rotation part  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, Japane:  Microsoft Edge, Firefox, Google Chrome  10Base-T / 100Base-TX, R145 connector  166: 9 mode (60 fps mode)]* 7, [16: 9 mode (30 fps mode)],  16: 9 mode (50 fps mode)]* 7, [16: 9 mode (25 fps mode)]  1920x1080, 1280x720, 640x360, 320x180  14: 3 mode (30 fps mode)], [4: 3 mode (25 fps mode)]  1280x960, VGA, QVGA	
Adjusting Angle Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) Ceiling mounting  Wall mounting  Camera Control Audio GUI / Setup Menu Language Browser*4 Network IF Resolution	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft  Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft  Ambarella CV25M  Horizontal: ±180° (PAN rotation part)  Vertical: :0° to 100° (TILT rotation part)  Vertical: ±100° (TILT rotation part)  Horizontal: ±100° (TILT rotation part)*  Vertical: ±100° (TILT rotation part)*  Naw: -190° to +100° (YAW rotation part)  *You can change between horizontal and vertical angels by adjusting the PAN rotation pal 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  10Base-T / 100Base-TX, RI45 connector  [16: 9 mode (60 fps mode)]*2, [16: 9 mode (30 fps mode)],  [16: 9 mode (50 fps mode)]*2, [16: 9 mode (25 fps mode)]  1920X1080, 1280X720, 640X360, 320X180  [4: 3 mode (30 fps mode)], [4: 3 mode (25 fps mode)]	
Adjusting Angle Browser GUI	Identify (250ppm / 76ppf)  n Chip (SoC)  Ceiling mounting  Wall mounting  Camera Control  Audio  GUI / Setup Menu Language  Browser*4  Network IF  Resolution  H.265/ H.264/ JPEG (MJPEG)	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft  Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft  Ambarella CV25M  Horizontal : ±180 ° (PAN rotation part)  Vertical : 0 ° to 100 ° (TILT rotation part)  Vertical : 190 ° to 1100 ° (TILT rotation part)  Horizontal : ±100 ° (TILT rotation part)  Vertical : ±100 ° (TILT rotation part)*  Vou can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal and vertical angels by adjusting the PAN rotation part  "You can change between horizontal part by adjus	
Adjusting Angle Browser GUI	Identify (250ppm / 76ppf) n Chip (SoC) Ceiling mounting  Wall mounting  Camera Control Audio GUI / Setup Menu Language Browser*4 Network IF Resolution	Wide: 4.7 m / 15.4 ft, Tele: 23.0 m / 75.3 ft  Wide: 2.4 m / 7.7 ft, Tele: 11.5 m / 37.7 ft  Ambarella CV25M  Horizontal: ±180° (PAN rotation part)  Vertical: 0° to 100° (TILT rotation part)  Vertical: ±100° (TILT rotation part)  Horizontal: ±100° (TILT rotation part)  Vertical: ±100° (TILT rotation part)*  Naw: -190° to +100° (YAW rotation part)  *You can change between horizontal and vertical angels by adjusting the PAN rotation par  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  10Base-T / 100Base-TX, RI45 connector  [16: 9 mode (60 fps mode)]*2, [16: 9 mode (30 fps mode)],  [16: 9 mode (50 fps mode)]*2, [16: 9 mode (25 fps mode)]  1920X1080, 1280X720, 640X360, 320X180  [4: 3 mode (30 fps mode)], [4: 3 mode (25 fps mode)]  [4: 3 mode (15 fps mode)], [4: 3 mode (12.5 fps mode)]	

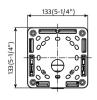
Network	Smart Coding	GOP (Group of pictures control):	
	-	Off/ Low (Variable GOP 1s-8s) / Mid (Variable GOP 4s-16s) /	
		Advanced(Fixed GOP 60s w/1s key-frame)/	
		Frame rate control (Variable GOP 4s-16s with frame rate control)	
		*Advanced and Frame rate control are only available with H.265.	
		Smart VIQS: On(High)/On(Low)/Off, Smart P-picture control: On/Off G.726 (ADPCM): 16 kbps / 32 kbps	
	Audio Compression		
	Addio Compression	G.711 : 64 kbps	
		AAC-LC*7 : 64 kbps / 96 kbps / 128 kbps	
	Adi- +ii d-		
	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, LLDF	
		Pv4:TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPVJ/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, SFTP, MQTT, LLDP  Up to 14 users (Depends on network conditions)	
	No. of Simultaneous Users		
	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, 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/	Monitor Output	VBS : 1.0 V [p-p] / 75 Ω, composite, Pin jack	
Output	(for adjustment)	An NTSC or PAL signal can be outputted from camera	
	Audio input*8	ø3.5 mm stereo mini jack	
	For microphone input :	: Recommended applicable microphone : Plug-in power type	
		(Sensitivity of microphone : -48 dB±3 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*8	ø3.5 mm stereo mini jack (monaural output)	
	riadio odipat	Output impedance : Approx. 600 Ω (unbalanced)	
		Output level : -20 dBV	
	External I/O Terminals*8	ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x:	
	external I/O Terminals o		
		ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1)	
	- 4	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	
	EMC	FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassB, EN55035	
	Power Source and	DC power supply 8 : DC12 V 710 mA, Approx. 8.5 W	
	Power Consumption	PoE (IEEE802.3af compliant) Device : DC48 V 190 mA, Approx. 9.1 W (Class 0 device	
	Ambient Operating	-40 °C to +60 °C (-40 °F to 140 °F)*9	
	Temperature	(Power On range : -30 °C to +60 °C {-22 °F to +140 °F})	
	Ambient Operating Humidity	10 to 100 % (no condensation)	
	Anti-Condensation System	Temish element + Heater + moisture absorption gel	
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X complian	
	Shock Resistance	IK10 (IEC 62262)	
	Dimensions	ø133 mm (W) x 133 mm (H) x 383 mm (D)	
	Mass (approx )	{ø5-1/4 inches (W) x 5-1/4 inches (H) x 15-3/32 inches (D)}	
	Mass (approx.)	Approx. 2.4 kg {5.3 lbs.}	
	Finish	Main body: Aluminum die cast and resin, i-PRO white	
		Outer fixing screws : Stainless steel (Corrosion-resistant treatment)	
		Front panel: Polycarbonate resin, Clear (with ClearSight coating)	
		WV-S1536LNS: Heavy salt damage resistance specifications (ISO14993 compliant	

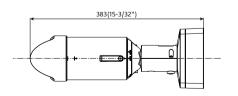
- \*2 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.
  \*3 When 60 fps mode, 50 fps mode, 15 fps mode or 12.5 fps mode is used, the "90°" and "270°" settings are
- not available. When the 320x180 resolution is used, the "90" and "270" settings are not available.

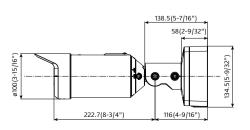
  4 For information on the operation verification of the supported web browsers, refer to our support website <Control No.: C0132>.
- \*5 Used by super resolution techniques
- \*7 When recording audio on an microSD memory card, only use AAC-LC (Advanced Audio Coding Low Complexity).
- \*8 When using with these, W-QCA501A cable is required.

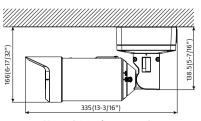
  \*9 When using with the IR LED light constantly lit, the upper limit of the operating temperature range is +50 °C {+122 °F}.

## Appearance

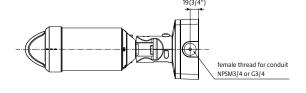








Mounted state after construction



Unit: mm (inches)

## Al Analytics applications

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

#### Al Video Motion Detection (Al-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.

#### Al 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

#### **AI Vehicle Detection**

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

#### Al Non mask Detection

 $\label{lem:constraint} \mbox{Deep-learning and proprietary image processing technologies recognize mask and detect people}$ who are not wearing them.

#### **AI Occupancy Detection**

Detecting the congestion via network camera with AI engine enables that information to be used direct visitors in advance or help store staff work more efficiently.

### **Optional Accessories**

#### ■ Mount Bracket

	POLE	CORNER				
	1	1				
combination	Pole Mount Bracket PAPM4W (White)	Corner Mount Bracket PACA4W (White)				

<sup>\*</sup>These accessories are not complied with ISO14993

#### Cable



- \*WV-QCA500APK and WV-QCA501APK are package of 10 cables.
- \*The color of the grommet rubber may differ depending on the production time, but the performance and mounting method will not change.

#### Trademarks and registered trademarks

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- Android is a trademark of Google LLC.
- ONVIF is a trademark of ONVIF. Inc.
- All other trademarks identified herein are the property of their respective owners.

#### Important

- Safety Precautions : Carefully read the Basic Information, Installation Guide and
- Operating Instructions before using this product.

   i-PRO Co., Ltd. cannot be held responsible for the performance
- of the network and/or other manufacturers' products used on the network.

• Masses and dimensions are approximate. • Specifications are subject to change without notice.



(2A-283DL)