

# WV-S8543L WV-S8543LG

(-G:Smoke Dome type)

# Industry thinnest\* multi-sensor cameras with Al Engine \*the thinnest: i-PRO own research as of February 2022

# 3x4MP(12MP) IR Outdoor Multi-Sensor Network Camera with AI Engine

i-PRO releases 8 the industry thinnest multi-sensor cameras with AI Engine with lineup of 4MP/6MP/4K, 3eyes/4eyes with built-in IR LED. It is installed AI analytics applications which identify people and vehicles automatically, and users are able to start the latest surveillance technologies easily. It is designed to reduce installation time (thin and light weight) and continuous view assistance provides you 360/270-degree continuous images.

## **Key features**

- The thinnest multi-sensor camera (3.5 inches/90 mm)
  It can be fitted in not only outside, but it also is fitted in inside the facility.
  (Low profile/Blends in seamlessly with environment)
  Even though it is rated IK10, it achieves the light weight body.
- A variety kinds of AI Apps selection

It can install and use up to 4 different types of Al Apps all together. Using Al processor which identifies object as people or vehicle, it will reduce false alarm compared to conventional model. As result, it can be used many industries. Also, new multi-sensor has IR-LED function which will increase Al intruder detection accuracy in the low light environment.

- Easy installation
  - · Just 1 LAN cable covers 3 directions.
  - $\cdot$  Thin and hook architecture make easy installation
- · Continuous view assistance by using smartphone navigates you the best angle position.
- · You can change angle by using motorized zoom after installation.\*4MP model only
- High security

New multi-sensor camera has equipped FIPS 140-2 level3 certified hardware to upgrade its security standard. Combining pre-installing digital certificates issued by a third party organization (Global Sign) and this, we can declare i-PRO high security level to those who cares cyber security.

#### Key i-PRO Spec.

- 3 x 4MP(12MP) 2688x1520 up to 30fps
- 270° coverage with one IP address
- Intelligent Auto (with Al Engine)
- Super Dynamic 108dB
- Color night vision (0.21 to 0.3 lx)
- Smart Coding (with AI Engine)
- Built-in 360° IR LED
- Remote zoom and focus
- Continuous view assistance
- Wide range tilt angle adjustment mechanism
- ONVIF® Profile G / M / S / T
   \*ONVIF is a trademark of ONVIF, Inc.
- FIPS 140-2 level3 certified

#### **Industry examples**

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







#### **Specifications**

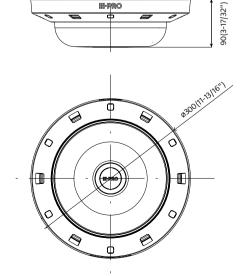
| Camera    | Image Sensor                                 | 3x 1/2.7 type CMOS image sensor   |  |  |  |
|-----------|--|---|--|--|--|
|           | Minimum Illumination                         | Color: 0.21 lx (-G: 0.59 lx) {30IRE, F1.44, 1/30 s} *1  |  |  |  |
|           |  | Color: 0.3 lx (-G: 0.85 lx) {50lRE, F1.44, 1/30 s}  |  |  |  |
|           |  | BW: 0.12 lx (-G: 0.34 lx) {50IRE, F1.44, 1/30 s}  |  |  |  |
|           |  | BW: 0 Ix {50IRE, F2.0, 1/30 s with IR LED}  |  |  |  |
|           | White Balance                                | ATW1 / ATW2 / AWC   |  |  |  |
|           | Maximum shutter                              | 30 fps mode: Max.1/10000s to Max.16/30s<br>25 fps mode: Max.1/10000s to Max.16/25s  |  |  |  |
|           |  |   |  |  |  |
|           | Intelligent Auto                             | 25 lps Indee: Max.19100003 to Max.101233 On / Off On / Off, The level can be set in the range of 0 to 31.  Max. 108 dB(Super Dynamic: On, Level: 31)  |  |  |  |
|           | Super Dynamic                                |   |  |  |  |
|           | Dynamic Range                                |   |  |  |  |
|           |  |   |  |  |  |
|           | Adaptive Black Stretch                       | The level can be set in the range of 0 to 255.  BLC (Back light compensation) / HLC (High light compensation) /   |  |  |  |
|           | Back light compensation /                    | Off (only when Super dynamic / Intelligent Auto : Off)  |  |  |  |
|           | High light compensation                      | On / Off (only when Intelligent auto / auto contrast adjust : Off)  |  |  |  |
|           | Fog compensation                             |   |  |  |  |
|           | 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 :<br>20 m {Approx. 66 ft} / (-G): 15 m {Approx. 49 ft} (30IRE)*1   |  |  |  |
|           |  |   |  |  |  |
|           |  | 15 m {Approx. 49 ft} / (-G): 11 m {Approx. 36 ft} (50IRE)   |  |  |  |
|           | Digital Noise Reduction                      | The level can be set in the range of 0 to 255.  |  |  |  |
|           | Panorama                                     | Panorama mode (H: 170 deq.)   |  |  |  |
|           | Video Motion Detection (VMD)                 | On / Off, 4 areas available On / Off, 1 areas available On / Off  |  |  |  |
|           | Scene Change Detection (SCD)                 |   |  |  |  |
|           | Audio Detection                              |   |  |  |  |
|           | Al Sound Classification                      | Selectable from Gunshot, Yell, Vehicle horn, Glass break  |  |  |  |
|           | Al Analytics                                 | Yes   |  |  |  |
|           | Privacy Zone                                 | On / Off. Up to 8 zones available On / Off. Up to 8 zones available O° (Off) 90° 180° (Upside-down) / 270° On / Off. Up to 40 characters, Up to 2 Lines (alphanumeric characters, mark Auto focus |  |  |  |
|           | VIQS   |   |  |  |  |
|           | Image rotation*2                             |   |  |  |  |
|           |  |   |  |  |  |
|           | Camera Title (OSD)                           |   |  |  |  |
| .ens      | Focus Adjustment                             |   |  |  |  |
| .ens      | Optical zoom                                 | 2.5x (Motorized zoom / Motorized focus)   |  |  |  |
|           | Extra zoom                                   | max 10.5x (2.5x – 10.5x when resolution is 640x360)   |  |  |  |
|           | Focal length                                 | 2.9 mm {1/8 inches} - 7.3 mm {1/4 inches}   |  |  |  |
|           | Angular Field of View                        | Horizontal: 43°(TELE) - 100°(WIDE), Vertical: 24°(TELE) - 56°(WIDE)   |  |  |  |
|           | Maximum Aperture Ratio                       | 1: 2.0(WIDE) - 1: 3.0 (TELE)  |  |  |  |
|           | Focus range                                  | 1 m {3.28 ft} - ∞   |  |  |  |
| DORI      | Detect (25ppm / 8ppf)                        | Wide: 45.1 m / 148.0 ft, Tele: 147.7 m / 484.6 ft   |  |  |  |
|           | Observe (62.5ppm / 19ppf)                    | Wide: 18.0 m / 59.2 ft, Tele: 59.1 m / 193.8 ft   |  |  |  |
|           | Recognize (125ppm / 38ppf)                   | Wide: 9.0 m / 29.6 ft, Tele: 29.5 m / 96.9 ft   |  |  |  |
|           | Identify (250ppm / 76ppf)                    | Wide: 4.5 m / 14.8 ft, Tele: 14.8 m / 48.5 ft   |  |  |  |
|           | n Chip (SoC)                                 | Ambarella CV2   |  |  |  |
| Adjusting | g Angle                                      | Camera 1, 2, 3:   |  |  |  |
|           |  | Horizontal: ±125° (Adjust by horizontal (PAN) angle)  |  |  |  |
|           |  | Vertical : +10° to +105° (Adjust by vertical (TILT) angle)  |  |  |  |
|           |  | Yaw : ±90° (Adjust by azimuth (YAW) angle)  |  |  |  |
|           |  | Twist : ±30°  |  |  |  |
|           |  | *The above is the adjustable range of a single camera.  |  |  |  |
|           |  | The adjustable range of each camera varies according to   |  |  |  |
|           |  | the positional relationship with other cameras.   |  |  |  |
| Browser   | Camera Control                               | Brightness, AUX On / Off  |  |  |  |
| GUI       | Audio  | Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High   |  |  |  |
|           | , iddio                                      | Audio Output : On / Off Volume adjustment : Low / Middle / High   |  |  |  |
|           | GUI / Setup Menu Language                    | English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japane   |  |  |  |
|           | Browser*3                                    | Microsoft Edge, Firefox, Google Chrome  |  |  |  |
|           |  | 10Base-T / 100Base-TX / 1000Base-T, RJ45 connector  |  |  |  |
| Network   | TVCCWOTK II                                  |   |  |  |  |
|           | Resolution                                   | [16:9 mode]   |  |  |  |
|           | H.265/ H.264/ JPEG (MJPEG)                   | 2688 x 1520 / 2560 x 1440 / 1920×1080 /1280 x 720 / 640×360 / 320×18  |  |  |  |
|           | H.265/ Transmission Mode                     | Constant bit rate / VBR / Frame rate / Best effort  |  |  |  |
|           |  |   |  |  |  |
|           | H.264*4 Transmission Type JPEG Image Quality | Unicast port (AUTO) / Unicast port (MANUAL) / Multicast  10 steps   |  |  |  |

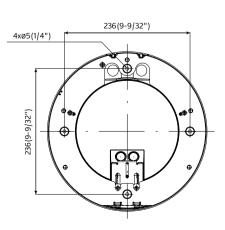
|         | Smart Coding  | GOP (Group of pictures) control:   |  |  |  |
|---------|---|--|--|--|--|
|         |   | On (Frame rate control)* / On (Advanced)* / On (Mid) / On (Low) / Off  |  |  |  |
|         |   | *On (Frame rate control) and On (Advanced) are only available with H.265   |  |  |  |
|         |   | 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*5 : 64 kbps / 96 kbps / 128 kbps  |  |  |  |
|         | Audio transmission mode   | Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPV1/v2/v3 DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, LLDP, MQTT IPv4: TCP/IP, UDP/IP, HTTP, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS NTP, SNMPV1/v2/v3, UPPA; ICMP, ICMP, ARP, IEEE 802.1X, DiffServ, STRP, LLDP, MQTT   |  |  |  |
|         | Supported Protocol  |  |  |  |  |
|         | No. of Simultaneous Users   | Up to 24 users (Depends on network conditions)   |  |  |  |
|         | Secure  | FIPS 140-2 level3  |  |  |  |
|         | SDXC/SDHC/SD  | H.265 / H.264 recording :  |  |  |  |
|         | Memory Card   | Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failur<br>JPEG recording :<br>Manual REC / Alarm REC (Pre/Post) / Backup upon network failure<br>Compatible SDXC/SDHC/SD Memory Card :<br>microSDXC memory card : 64 GB, 128 GB, 256 GB, 512 GB   |  |  |  |
|         |   | microSDHC memory card : 4 GB, 8 GB, 16 GB, 32 GB   |  |  |  |
|         | Mobile Terminal Compatibility   | microSD memory card : 2 GB<br>iPad, iPhone, Android™ terminals   |  |  |  |
|         | ONVIF® Profile  |  |  |  |  |
|         | Alarm Source  | G / M / S / T  |  |  |  |
| Alarm   |   | 3 terminals input, VMD alarm, SCD 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 (for adjustment)   | _  |  |  |  |
| Output  | Audio input*6   | 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: 2.4 V ±0.5 V  |  |  |  |
|         | For line input :  | Input level : Approx. –10 dBV  |  |  |  |
|         | Audio Output*6  | ø3.5 mm stereo mini jack (monaural output)   |  |  |  |
|         | / ladio output  | Output impedance : Approx. 600 Ω (unbalanced) Output level : -20 dBV   |  |  |  |
|         | 5: +  |  |  |  |  |
|         |   | ALARM IN 1 (Alarm input 1/ Black & white input / Auto time adjustment input) (x1)  |  |  |  |
|         | External I/O Terminals*6  |  |  |  |  |
| General | ,   | ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ ALARM OUT/ AUX OUT) (x1   |  |  |  |
| General | Safety  | ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ ALARM OUT/ AUX OUT) (x1 UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1   |  |  |  |
| General | Safety<br>EMC   | ALARM IN 2 (Alarm input 2) ALARM OUT) (x1), ALARM IN 3 (Alarm input 3) ALARM OUT) (x1) UL (UL62368-1), C-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55024   |  |  |  |
| General | Safety EMC Power Source and   | ALARM N.2 (Alarm input 2) ALARM OUT) (x1), ALARM N.3 (Alarm input 3) ALARM OUT) (x1) UL (UL62368-1), c-U.1 (CSA C.22.2 No.62368-1), CE, IEC62368-1 FCC (Part15 (LassA), ICES-003 ClassA, EN55032 ClassA, EN55024 POE+ (IEEE802.3at compliant):   |  |  |  |
| General | Safety EMC Power Source and Power Consumption   | ALARM IN 2 (Alarm input 2) ALARM OUT) (x1), ALARM IN 3 (Alarm input 3) ALARM OUT) (x1 UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55024 PoE+ (IEEE802.3at compliant); DC 54 V: 470 mA/Approx. 25.4 W (Class 4 device)  |  |  |  |
| General | Safety EMC Power Source and Power Consumption Ambient Operating   | FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55024 P0E+ (IEEE802.3at compliant): DC 54 V: 470 mA)(Approx. 25.4 W (Class 4 device) -40 °C to +60 °C <sup>7</sup> {-40 °F to 140 °F}  |  |  |  |
| General | Safety EMC Power Source and Power Consumption   | ALARM N.2 (Alarm input 2) ALARM OUT) (x1), ALARM N.3 (Alarm input 3) ALARM OUT) (x1) UL (UL62368-1), c-UL (CSA C.22.2 No.62368-1), CE, IEC62368-1 PCC (Part15 (CassA), IEC5-030 ClassA, EN55032 ClassA, EN55024 POE+ (IEEE802.3at compliant): DC 54 V: 470 mA Approx. 25.4 W (Class 4 device) -40 °C to +60 °C7 (-40 °F to 140 °F) (Power On range: -20 °C to +60 °C (-4 °F to 140 °F))  |  |  |  |
| General | Safety EMC Power Source and Power Consumption Ambient Operating Temperature   | ALARM N.2 (Alarm input.2) ALARM OUT) (x1), ALARM N.3 (Alarm input.3) ALARM OUT) (x1) UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), C- |  |  |  |
| General | Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity  | ALARM N 2 (Alarm input 2) ALARM OUT) (x1), ALARM N 3 (Alarm input 3) ALARM OUT) (x1 UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55024 PoF+ (IEEE802.3at compliant); DC 54 V: 470 mA/Approx. 25.4 W (Class 4 device) -40 °C to +60 °C' 7 (-40 °F to 140 °F) (Power On range: -20 °C to +60 °C (-4 °F to 140 °F)) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C(165 °F) 10 to 100 % (no condensation)  |  |  |  |
| General | Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System   | ALARM N.2 (Alarm input.2) ALARM OUT) (x1), ALARM N.3 (Alarm input.3) ALARM OUT) (x1) UL (UI.62368-1), c-UL (CSA.C2.2. No.62368-1), CE, IEC62368-1 PCC (Part15 ClassA), IEC5-03 ClassA, EN55032 ClassA, EN55024 POE+ (IEEE802.3at compliant): DC 54 V: 470 mA Approx. 25.4 W (Class 4 device) -40 °C to +60 °C7 (-40 °F to 140 °F) (Power On range: -20 °C to +60 °C (-4 °F to 140 °F)) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C(165 °F) 10 to 100 % (no condensation) Temish element + Heater + moisture absorption gel   |  |  |  |
| General | Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System Water and Dust Resistance   | ALARM N.2 (Alarm input.2) ALARM OUT) (x1), ALARM N.3 (Alarm input.3) ALARM OUT) (x1) UL (UI.62368-1), c-UL (CSA C.22.2 No.62368-1), C-UL (CSA C.22.22), C-UL (CSA C.22.22), C-UL (CSA C.22.22), C-UL (CSA C.22.22), C-UL |  |  |  |
| General | Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System Water and Dust Resistance Shock Resistance  | ALARM N.2 (Alarm input.2) ALARM OUT) (x1), ALARM N.3 (Alarm input.3) ALARM OUT) (x1 UL (UI.62368-1), c-UL (CSA C.22.2 No.62368-1), C-UL (CSA C.22.2 No.62368-1) FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55024 POE+ (IEEE802.3at compliant): DC 54 V: 470 mA/Approx. 25.4 W (Class 4 device) -40 °C to +60 °C" (-40 °F to 140 °F) (Power On range: -20 °C to +60 °C (-4 °F to 140 °F)) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C(165 °F) 10 to 100 % (no condensation) Temish element + Heater + moisture absorption gel IP67/IP66 (IEC 60529), Type 4X (UL50E), NEMA 4X compliant IK10 (IEC62262)  |  |  |  |
| General | 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                           | ALARM N.2 (Alarm input.2) ALARM OUT) (x1), ALARM IN.3 (Alarm input.3) ALARM OUT) (x1) U. (UI.62368-1), c-UI. (CSA.C.2.2. No.62368-1), C-UI. (CSA.C.2.2. No.62368-1), C-UI. (CSA.C.2.2. No.62368-1) (x2), ELECC.2688-1) (x3), CEC.2688-1) (x4), CEC.2688-1) (x4), CEC.2688-1) (x4), CEC.2688-1) (x4), CEC.2688-1) (x5), CEC.2688-1) (x6), CEC.268 |  |  |  |
| General | Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System Water and Dust Resistance Shock Resistance  | ALARM N.2 (Alarm input.2) ALARM OUT) (x1), ALARM N.3 (Alarm input.3) ALARM OUT) (x1) UL (UI.62368-1), c-UL (CSA C.22.2 No.62368-1), C-UL (CSA C.22.22 No.62368-1), C-UL (CSA C.22.22), C-UL (CSA C.22.22 No.62368-1), C- |  |  |  |
| General | 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                | ALARM N.2 (Alarm input.2) ALARM OUT) (x1), ALARM N.3 (Alarm input.3) ALARM OUT) (x1) UL (UI.62368-1), c-UL (CSA C22.2 No.62368-1), C-UL (CSA C2.22), C-UL (CSA C2.22.2 No.62368-1), C-UL (CSA C2.22.2 No.62368-1), C-UL (CSA C2.22), C-UL (CSA C2.22), C-UL (CSA C2.22), C-UL (CSA C2.22), C-UL (CSA |  |  |  |
| General | 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.) | ALARM N.2 (Alarm input.2) ALARM OUT) (x1), ALARM IN.3 (Alarm input.3) ALARM OUT) (x1) U. (UI.62368-1), c-UI. (CSA.C.2.2. No.62368-1), C.E. IEC62368-1 PCC. (Part15 ClassA), ICE5-OO3 ClassA, EN55032 ClassA, EN55024 POE+ (IEEE802.3at compliant): DC 54 V: 470 mA) (Approx. 25.4 W (Class 4 device) -40 °Ct o+60 °C7 (-40 °F to 140 °F) (Power On range: -20 °C to +60 °C (-4 °F to 140 °F)) Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C(165 °F) 10 to 100 % (no condensation) Temish element + Heater + moisture absorption gel IP67/IP66 (IEC 60529). Type 4X (UL50E), NEMA 4X compliant IR10 (IEC6262) NEMA TS 2 (2.2.7-2.2.9) When using the attachment plate only : a300 mm × 90 mm (H) (ø11-13/16 inches ×3-17/32 inches (H)) When using the attachment plate only : Approx. 3.1 kg {6.83 lbs}  |  |  |  |
| General | 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                | ALARM N.2 (Alarm input.2) ALARM OUT) (x1), ALARM N.3 (Alarm input.3) ALARM OUT) (x0 UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), C-UL (CSA C2.22.2 No.62368-1), C-UL (CSA C2.22. |  |  |  |

<sup>\*1</sup> Converted value

# Appearance

Unit: mm (inches)





<sup>\*2</sup> When the 320x180 resolution is used, the "90°" and "270°" settings are not available.

<sup>\*3</sup> For information on the operation verification of the supported web browsers, refer to our support website <Control No.: C0132>.
\*4 Transmission for each stream can be individually set.

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

# **Al Analytics applications**

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

#### Al Video Motion Detection (AI-VMD)

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

#### **AI Face Detection**

Detects faces with high precision even in low-light, backlit, and mask-wearing environments. (Max. 2 cameras working)

#### **AI People Detection**

Extract the characteristics of human face  $\it l$  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.

#### **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 / Other

|             | WALL  | POLE  | CORNER  |  | HANGING   |   | PARAPET   |
|-------------|---|---|---|--|---|---|---|
| combination | 1   | 1   | 1   | 1  | 2   | 3   | 1   |
|             | Wall Mount Bracket PWM40W (White)                       | Pole Mount Bracket <b>PAPM4W</b> (White)                | Corner Mount Bracket <b>PACA4W</b> (White)              | Ceiling Mount Bracket <b>WV-QCL501-W</b> (White) | Ceiling Mount Bracket WV-QCL101-W (White)             | Ceiling Mount Bracket WV-QCL101-W*1 (White)             | Mount Bracket<br>WV-QSR503F1-W<br>(White, ANSI Female thread) |
|             | 500   |   |   |  | *For indoor installation only.                        | *For indoor installation only.                          |   |
|             | Mount Bracket WV-QSR503F1-W (White, ANSI Female thread) | Wall Mount Bracket <b>PWM40W</b> (White)                | Wall Mount Bracket <b>PWM40W</b> (White)                | Mount Bracket WV-QSR503-W (White)                | Mount Bracket WV-QSR503M1-W (White, ANSI Male thread) | 3 <sup>rd</sup> party 1 ½" NPT pipe<br>(Male thread)    | Parapet Mount Bracket<br>PPRM35W<br>(White)                   |
|             |   | Mount Bracket WV-QSR503F1-W (White, ANSI Female thread) | Mount Bracket WV-QSR503F1-W (White, ANSI Female thread) |  |   | Mount Bracket WV-QSR503F1-W (White, ANSI Female thread) |   |
|             |   |   |   |  |   |   |   |

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

|             | CEIL   | ING  | OTHER  |  |  |
|-------------|--|--|--|--|--|
| combination | 1  | 2  | 1  |  |  |
|             | Base Bracket WV-QJB503-W (White) *The actual product may differ. | Ceiling Mount Bracket WV-Q105A (Silver) *For indoor installation only. | 3 <sup>rd</sup> party 1 ½" NPT pipe<br>(Male or Female thread) |  |  |
|             |  | Base Bracket<br><b>WV-QJB503-W</b><br>(White)                          | Mount Bracket WV-QSR503F1-W (White, ANSI Female thread)        |  |  |
|             |  | *The actual product may differ.  | WV-QSR503M1-W<br>(White, ANSI Male thread)                     |  |  |

#### Dome Cover

Smoke dome cover **WV-QDC501G** 

#### Cable

I/O Cable WV-QCA501A WV-QCA501APK



<sup>\*</sup>WV-QCA501APK is package of 10 cables.

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#### Important

- Safety Precautions: Carefully read the Basic Information, Installation Guide and Operating Instructions before using this product.
   i-PRO Co., Ltd. cannot be held responsible for the performance
- 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.



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