# WV-S71300-F3

2MP(1080p) Indoor mini Box Network Camera with AI Engine

## A stylish compact AI network camera that is blending seamlessly into any surrounding and providing insights beyond security.

- 2MP (1080p)
- Intelligent Auto (with AI Engine)
- Smart Coding (with AI Engine)
- Direction change detection
- Compact body
- NDAA Compliant

**Onvif®** | **GMST** | **iA**

# SPECIFICATIONS

| Camera | |
|---|---|
| Image Sensor | Approx. 1/2.8 type CMOS image sensor |
| Minimum Illumination | Color : 0.21 lx {30IRE, F2.0, 1/30s}<br>Color : 0.3 lx {50IRE, F2.0, 1/30s}<br>BW : 0.2 lx {50IRE, F2.0, 1/30s} |
| White Balance | ATW1/ ATW2/ AWC |
| Shutter Speed | [30 fps][15 fps]<br>16/30s Fix to 1/10000s<br>[25 fps][12.5 fps]<br>16/25s Fix to 1/10000s |
| Intelligent Auto | On / Off |
| Adaptive Black Stretch | The level can be set in the range of 0 to 255. |
| Back Light Compensation/High Light Compensation | BLC (Back light compensation) / HLC (High light compensation) / Off (only when 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) | Auto/Off |
| Light control mode setting | Indoor scene (50 Hz)/ Indoor scene (60 Hz)/ELC |
| 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 |
| AI Sound Classification | Gunshot, Yell, Vehicle horn, Glass break |
| AI Analytics | Yes |
| Privacy Zone | On / Off, Up to 8 zones available |
| VIQS | On / Off, Up to 8 zones available |
| Image Rotation | 0 ° / 90 ° / 180 ° / 270 ° |
| Camera Title (OSD) | On / Off, Up to 40 characters Up to 2 lines (alphanumeric characters, marks) |

| Lens | |
|---|---|
| Optical zoom | 1.0 x |
| Extra zoom | 1.0 - 3.0 x (when resolution is 640 x 360) |
| Focal length | 3.2 mm |
| Angular Field of View | [16 : 9 mode] Horizontal : 81.1°, Vertical : 51.4°<br>[ 4 : 3 mode] Horizontal : 60.8°, Vertical : 51.4° |
| Aperture | 1 : 2.0 |
| Focus range | 0.5 m to ∞ |

## DORI

| | |
|---|---|
| Detect (25ppm / 8ppf) | 44.9 m / 147.2 ft |
| Observe (62.5ppm / 19ppf) | 18.0 m / 58.9 ft |
| Recognize (125ppm / 38ppf) | 9.0 m / 29.4 ft |
| Identify (250ppm / 76ppf) | 4.5 m / 14.7 ft |

## System on Chip (SoC)

| | |
|---|---|
| System on Chip (SoC) | Ambarella CV22 |

## OS Browser

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|---|---|
| OS | Microsoft Windows 11<br>Microsoft Windows 10 |
| Browser | Microsoft Edge, Firefox, Google Chrome |

## Network

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|---|---|
| Network IF | 10Base-T / 100Base-TX, RJ45 connector |
| Resolution H.265/ H.264/ JPEG (MJPEG) | [16:9 mode (30 fps mode)], [16:9 mode (25 fps mode)]<br>1920x1080, 1280x720, 640x360, 320x180<br>[4:3 mode (30 fps mode)], [4:3 mode (25 fps mode)]<br>1280x960, 640x480, 320x240<br>[4:3 mode (15 fps mode)], [4:3 mode (12.5 fps mode)]<br>2048x1536*4 , 1280x960, 640x480, 320x240 |
| H.265/H.264 | [Transmission Mode]<br>Constant bit rate / VBR / Frame rate / Best effort<br>[Transmission Type]<br>Unicast port (AUTO) / Unicast port (MANUAL) / Multicast |
| JPEG | [Image Quality]<br>10 steps |
| Smart Coding | GOP (Group of pictures control):<br>Off/ Low (Variable GOP 1s-8s)/ Mid (Variable GOP 4s-16s)/<br>Advanced(Fixed GOP 60s w/1s key-frame)/<br>Frame rate control (Variable GOP 4s-16s with frame rate control)<br>*Advanced and Frame rate control are only available with H.265.<br>Smart VIQS: On(High)/On(Low)/Off, Smart P-picture control: On/Off |
| Audio Compression | G.726 (ADPCM) : 16 kbps / 32 kbps<br>G.711 : 64 kbps<br>AAC-LC*6 : 64 kbps / 96 kbps / 128 kbps |
| Supported Protocol | IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3,<br>DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, SFTP, MQTT, LLDP<br>IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP,<br>SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP,<br>ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, SFTP, MQTT, LLDP |
| Security | User authentication, Host authentication, HTTPS |
| No. of Simultaneous Users | Up to 14 users<br>(Depends on network conditions) |
| Secure | Device Certificate GlobalSign® pre-installed, User authentication,Host authentication, HTTPS, 802.1X Support,<br>Data encryption |
| Multi-screen | Display 16 cameras simultaneously Supports only MJPEG/JPEG (still image update) |
| microSD memory card | microSDXC memory card: 64 GB, 128 GB, 256 GB, 512 GB<br>microSDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB<br>microSD memory card: 2 GB |
| Mobile Terminal Compatibility | iPad, iPhone (iOS 8.0 ~),<br>AndroidTM terminals |
| ONVIF® Profile | G / M / S / T |

## General

| | |
|---|---|
| Safety | CE, IEC62368-1 |
| EMC | FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55035 |
| Power Source and Power Consumption | DC5 V(USB Type-C) (USB Power Delivery not supported), 1.5 A, Approx. 7.5 w<br>PoE (IEEE802.3af compliant) Device : DC48 V 170 mA, Approx. 8.2 W(Class 0 device) |
| Ambient Operating Temperature | -10 ℃ to +40 ℃ (14 °F to 104 °F)<br>Power on : 0 ℃ ~ +40 ℃ (32 °F to 104 °F ) |
| Ambient Operating Humidity | 10 to 90 % (no condensation) |
| Built-in microphone | Omnidirectional Electret Condenser Microphone x2 |
| USB port | High-speed serial interface (theoretical value: 480 Mbps)<br>USB2.0 1 line |
| Waterproof | IP44 (IEC 60529) |
| Dimensions | Without protective cover<br>102 mm (W) × 48 mm (H) × 21 mm (D)<br>{4-1/32 inches (W) × 1-7/8 inches (H) × 13/16 inches (D)}<br>(Depth when mounting seat is installed: +29.5 mm {+1-5/32 inches})<br>With protective cover<br>103.5 mm (W) × 51 mm (H) × 24 mm (D)<br>{4-1/16 inches (W) × 2 inches (H) × 15/16 inches (D)}<br>(Depth when mounting seat is installed: +28 mm {+1-3/32 inches}) |
| Mass (approx.) | Approx. 157 g (excluding the mounting base and protective cover)<br>Approx. 169 g (excluding the mounting base, including the protective cover)<br>Approx. 197 g (including mounting base and protective cover) |
| Finish | PC resin, Aluminum die-casting, i-PRO white |

## AI Analytics applications

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|---|---|
| AI Video Motion Detection (AI-VMD) | YES / Advanced video analysis technology detects objects in a specified area. |
| AI Privacy Guard | YES / 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 | YES / Detects faces with high precision even in low-light, backlit, and mask-wearing environments. |
| AI People Detection | YES / Extract the characteristics of human face / clothing and classify them into meaningful categories such as gender, age, and clothing color. |
| AI Vehicle Detection | YES / Extract vehicle characteristics and classify them into meaningful categories such as type and color. |
| AI Non mask Detection | YES / Deep-learning and proprietary image processing technologies recognize mask and detect people who are not wearing them. |
| AI Occupancy Detection | YES / 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. |

# NOTES

Important
– Safety Precautions : Carefully read the Basic Information,Installation Guide and Operating Instructions before using this product.
– i-PRO Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.
– Masses and dimensions are approximate. Specifications are subject to change without notice.
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# OPTIONAL ACCESSORIES

Select a compatible accessory
[Accessory Selector (i-pro.com)](Accessory Selector (i-pro.com))



**WV-QLR100-W**
Light Rail Mount
Bracket



**WV-QCL102-W**
Universal Camera
Mount Bracket



**PWM71W**
Mount Bracket

# APPEARANCE



36

102

48

1/4-20UNC
(Depth 5.5 mm (7/32 inches))

35.6

16.3

View A

51

21 (29.5)

A

50°

25

25
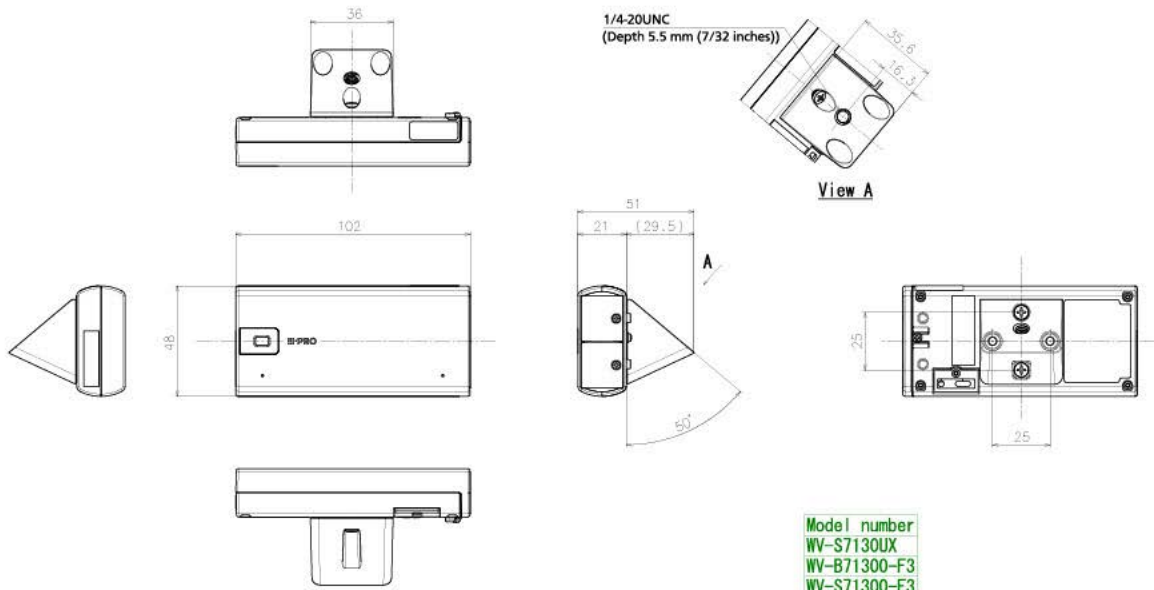
Model number
WV-S7130UX
WV-B71300-F3
WV-S71300-F3
Mass : Approx. 185 g {0.41 lbs}