∷i·PRO

WV-S71300-F3

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

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

i-PRO mini is compact camera that is blending seamlessly into any surrounding where you don't want the security cameras to be stand out. Equipped with an AI processor inside the camera to provide insights to solve a variety of problems. Extendable to marketing functions* with third party AI apps.

You can easily connect to the camera with a smartphone to check the image and setting and receive notification automatically in case installed camera angle is changed so that troubles can be solved early.

*Specific functions such as detection of inventory status on product shelves and determination of customer segments are currently under development.

Harmonizing with the space

- The industry's smallest class* camera that is blending seamlessly into any surrounding and does not stand out like general security camera. *According to our own research in January 2022

AI analytics and Marketing functions

- Equipped with an AI processor, it enables AI processing on the edge side to quickly process large amounts of data. It can run up to three AI applications at the same time, solving a variety of problems from security to marketing*.
  *People counting, face detection, People attribute search.

Easy Installation, Easy Maintenance

- Images can be checked with a smartphone at the time of installation*. In addition, the camera remembers the angle of view at which it was first installed and can be easily restored while checking the LEDs. Excellent convenience with detection and email notification when the camera direction changes. *Sold separately Wi-Fi USB adapter is required.

Key i-PRO Spec.

- 2MP (1080p)
- Intelligent Auto (with AI Engine)
- Smart Coding (with AI Engine)
- ONVIF® Profile G / M / S / T
  *ONVIF is a trademark of ONVIF, Inc.
- Direction change detection
- Compact body

Industry examples

- Retail / Factory / Office / Hotel / Education
- Hospital / Aged Care

i-PRO mini

∷i·PRO

S series

Specifications

Camera	Image Sensor	Approx. 1/2.8 type CMOS image sensor
	Minimum Illumination	Color : 0.21 lx {30IRE, F2.0, 1/30s}*1 Color : 0.3 lx {50IRE, F2.0, 1/30s} BW : 0.2 lx {50IRE, F2.0, 1/30s}
	White Balance	ATW1 / ATW2 / AWC
	Maximum shutter	[30 fps] [15 fps] 16/30s Fix to 1/10000s [25 fps] [12.5 fps] 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	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*2	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° **[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)		Ambarella CV22
OS Browser	OS	Microsoft Windows 11 Microsoft Windows 10
	Browser *3	Microsoft Edge, Firefox, Google Chrome
Network	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)]** 1920x1080, 1280x720, 640x360, 320x180 **[4:3 mode (30 fps mode)], [4:3 mode (25 fps mode)]** 1280x960, 640x480, 320x240 **[4:3 mode (15 fps mode)], [4:3 mode (12.5 fps mode)]** 2048x1536*4 , 1280x960, 640x480, 320x240
H.265/ H.264 *5	Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort
	Transmission Type	Unicast port (AUTO) / Unicast port (MANUAL) / Multicast
JPEG	Image Quality	10 steps
	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

Network	Audio Compression	G.726 (ADPCM) : 16 kbps / 32 kbps G.711 : 64 kbps 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, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, SFTP, MQTT, LLDP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, SFTP, MQTT, LLDP
	Security	User authentication, Host authentication, HTTPS
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
	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 microSDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB microSD memory card: 2 GB
	Mobile Terminal Compatibility	iPad, iPhone (iOS 8.0 ~), Android™ 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 PoE (IEEE802.3af compliant) Device : DC48 V 170 mA, Approx. 8.2 W (Class 0 device)
	Ambient Operating Temperature	-10 °C to +40 °C (14 °F to 104 °F) Power on : 0 °C ~ +40 °C (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) USB2.0 1 line
	Waterproof	IP44 (IEC 60529)
	Dimensions	**Without protective cover** 102 mm (W) × 48 mm (H) × 21 mm (D) {4-1/32 inches (W) × 1-7/8 inches (H) × 13/16 inches (D)} (Depth when mounting seat is installed: +29.5 mm {+1-5/32 inches}) **With protective cover** 103.5 mm (W) × 51 mm (H) × 24 mm (D) {4-1/16 inches (W) × 2 inches (H) × 15/16 inches (D)} (Depth when mounting seat is installed: +28 mm {+1-3/32 inches})
	Mass (approx.)	Approx. 157 g (excluding the mounting base and protective cover) Approx. 169 g (excluding the mounting base, including the protective cover) Approx. 197 g (including mounting base and protective cover)
	Finish	PC resin, Aluminum die-casting, i-PRO white

*1 Converted value

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

*3 For information on the operation verification of the supported web browsers, refer to our support website <Control No.: C0132>.
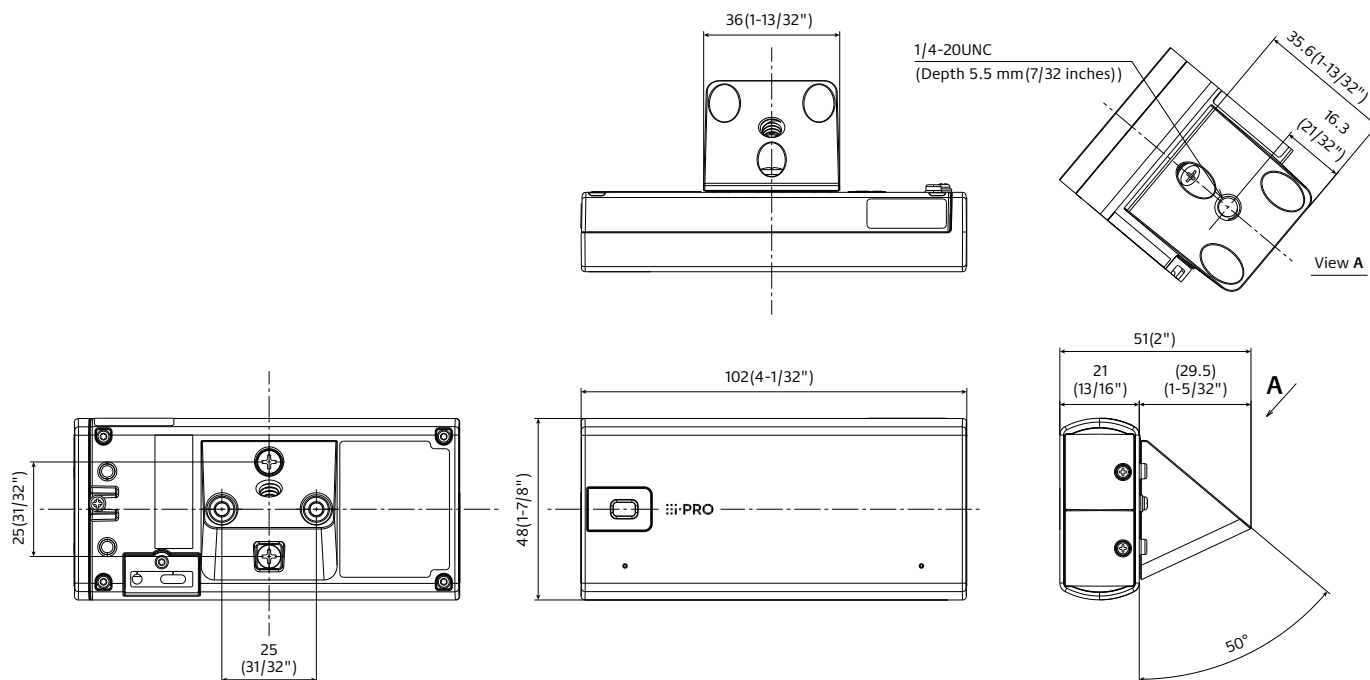
*4 Used by super resolution techniques.

*5 Transmission for 4 streams can be individually set.

*6 When recording audio on an microSD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity).

Appearance

Unit : mm (inches)

AI Analytics applications

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

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

AI Privacy Guard
To protect privacy and portrait rights, it is possible to automatically apply a mosaic the entire face and figure of a person photographed by the camera.

AI Face Detection
Detects faces with high precision even in low-light, backlit, and mask-wearing environments.

AI People Detection
Extract the characteristics of human face / clothing and classify them into meaningful categories such as gender, age, and clothing color.

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

AI 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.

3rd party applications are also available.
https://i-pro.com/global/en/surveillance/i-pro-application-platform/application-list

Optional Accessories

■ Mount Bracket / Other

	CEILING	LIGHT RAIL
	1	1
combination	Universal Camera Mount Bracket **WV-QCL102-W** (White)	Light Rail Mount Bracket **WV-QLR100-W** (White)
	3rd Parties Bracket (for setting on shelf, ceiling etc..)	

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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The Power of Truth

i-PRO Co., Ltd.
https://i-pro.com/

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