

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

Al 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





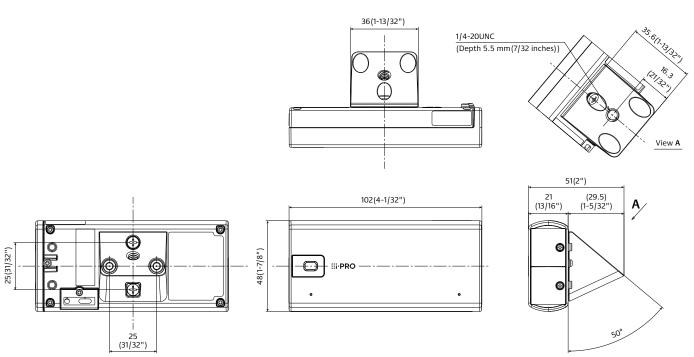
Specifications

Speci	ifica	tions	
Camera	Image S	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 /		BLC (Back light compensation) / HLC (High light compensation) /
	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
	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*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)		
	Recognize (125ppm / 38ppf)		9.0 m / 29.4 ft
	Identify (250ppm / 76ppf)		4.5 m / 14.7 ft
System o		oc)	Ambarella CV22
os	OS		Microsoft Windows 11
Browser			Microsoft Windows 10
	Browse		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)]
	11 2051		2048x1536*4 , 1280x960, 640x480, 320x240
	H.265/ H.264*5	Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort
		71	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, LLD
		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	DC5 V(USB Type-C) (USB Power Delivery not supported), 1.5 A, Approx. 7.5
	Power Consumption	PoE (IEEE802.3af compliant) Device: DC48 V 170 mA, Approx. 8.2 W (Class 0 device
	Ambient Operating	-10 °C to +40 °C (14 °F to 104 °F)
	Temperature	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)
		USB2.01 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 cove
		Approx. 197 g (including mounting base and protective cover)
	Finish	PC resin, Aluminum die-casting, i-PRO white

Appearance

Unit: mm (inches)



¹ Converted value
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.

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

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)

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.

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

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.

Al 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 Accessory

Other

3rd Parties Bracket (for setting on shelf, ceiling etc..)

Trademarks and registered trademarks

- iPad and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.
- 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.

