

ICIP-P2040W-IR

2 Megapixel Indoor, Mini Network IR Wi-Fi PTZ Dome Camera



- 4x optical zoom
- H.264 & MJPEG dual-streams encoding
- Max. 30fps@1080P (1920×1080) & 60fps@720P resolution
- DWDR, Day/Night (ICR), Ultra DNR, Auto iris, Auto focus
- Micro SD memory, Built-in Mic
- IR Distance up to 90'/30m

System Overview

The perfect blend of cost and performance – the ICIP-P2040WIR. When Pan/Tilt/Zoom functionality is required, and price points are a concern. This Pan/Tilt camera utilizes a 1/2.8" 2MP CMOS sensor, and a motorized 1.7mm - 11mm zoom block. These optics enable a 112.5 to 39 degree horizontal field of view on the camera, and can be controlled from your NVR or directly from the ICREALTIME software suite (SmartICRSS, mobile apps, etc).

The camera itself adopts a plastic chassis, making this PTZ camera an ideal option for indoor installations where controlled, Pan/Tilt functionality is required. It also supports rather strong IR Illumination, offering 98' of illumination with 0 light. The '-W' version of this camera is the WiFi variant of this model.

Functions

Image flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

H264

Like all IC Realtime series products, this device utilizes H.264E (Enhanced H.264) compression technology, enabling crisp image viewing with the least bandwidth consumption possible. This unit adopts an embedded system design, as well as a Linux Operating System, resulting in high levels of stability, performance, and most importantly: reliability. In addition, this unit is fully operational from remote locations (Search / Playback / Backup / Configuration) over standard Ethernet networks.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, true WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Technical Specification

Camera

Image Sensor	1/2.8" CMOS
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
Scanning System	Progressive
Electronic Shutter Speed	1/1s~1/30,000s
Minimum Illumination	Color: 0.05 Lux@F1.6, B/W: 0.005Lux@F1.6
S/N Ratio	More than 50dB
IR Distance	N/A
IR On/Off Control	N/A
IR LEDs	N/A
Wiper	N/A

Lens

Lens Type	2.7mm ~ 11mm
Max. Aperture	F1.6 ~ F2.8
Angle of View	H: 112.5° ~ 39°
Optical Zoom	4x
Focus Control	Auto/Manual
Close Focus Distance	100mm~ 1000mm

PTZ

Pan/Tilt Range	Pan: 0° ~ 360° limited; Tilt: 0° ~ 90°, auto-flip 180°
Manual Control Speed	Pan: 0.1° ~ 100°/s; Tilt: 0.1° ~ 60°/s
Preset Speed	Pan: 100°/s; Tilt: 60°/s
Presets	300
PTZ Mode	5 Pattern, 8 Tour, Auto Pan ,Auto Scan
Speed Setup	Human-oriented focal Length/ speed adaptation
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period
Protocol	ICR-SD

Intelligence

Event Trigger	Motion detection, Video tampering , Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly
Auto Tracking	N/A
IVS	Tripwire, Intrusion, Object Abandoned/Missing
Advanced Intelligent Functions	N/A

Video

Compression	H.264 / MJPEG
Streaming Capability	2 Streams
Resolution	1080P (1920×1080) / 720P (1280×720) / D1 (704×576/ 704×480) / CIF (352×288/352×240)
Frame Rate	Main Stream: 1080P (1 ~ 30fps)/ 720P (1 ~ 60fps)
	Sub Stream: D1/CIF (1 ~ 30fps)
	N/A

Bit Rate Control	CBR/VBR
Bit Rate	H.264: 448K ~ 8192Kbps; MJPEG: 5120K ~ 10240Kbps
Day/Night	Auto(ICR) / Color / B/W
Backlight Compensation	BLC / HLC / WDR(120dB)
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Gain Control	Auto / Manual
Noise Reduction	(2D/3D)
Motion Detection	Support
Region of Interest	Support
Digital Zoom	16x
Privacy Masking	Up to 24 areas

Audio

Compression	G.711a / G.711u (32kbps) / PCM (128kbps)
-------------	--

Network

Ethernet	RJ-45 (10Base-T/100Base-TX)
Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x
Interoperability	ONVIF Profile S, CGI
Streaming Method	Unicast / Multicast
Max. User Access	20 users
Edge Storage	NAS (Network Attached Storage), Local PC for instant recording, Micro SD card 64GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	SmartICRSS, DSS
Smart Phone	IOS, Android

Interface

Video Interface	N/A
Audio Interface	Built-in Mic
RS485	N/A
Alarm I/O	N/A

Electrical

Power Supply	DC12V
Power Consumption	10W, 13W (IR on)

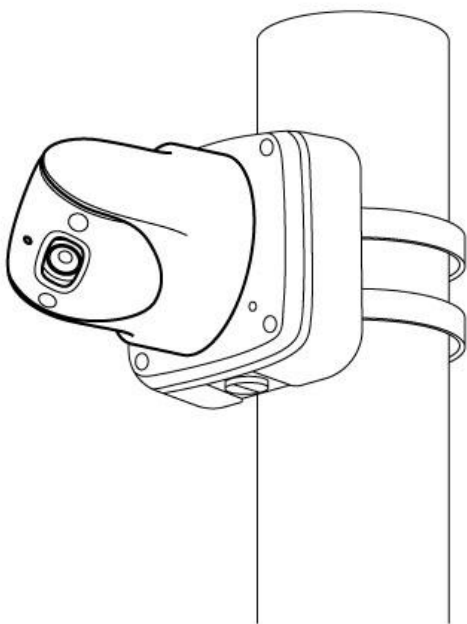
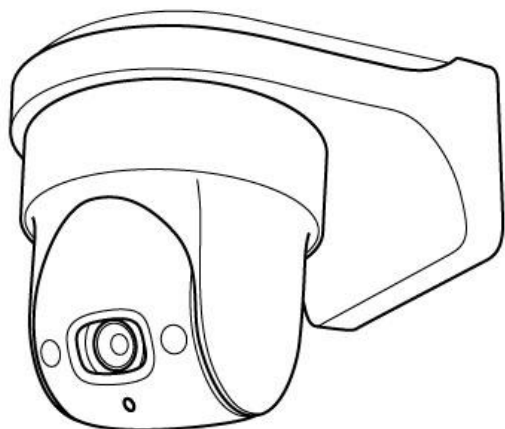
Environmental

Operating Conditions	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH
Storage Conditions	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH
Ingress Protection	N/A
Vandal Resistance	N/A

Construction

Casing	Metal + Plastic
Dimensions	132.7 (mm) x 116.5 (mm)
Net Weight	N/A
Gross Weight	0.95kg(2.09lbs)

Accessories



Dimensions (mm/in)

