

# IC-i2a-Px12W-AO

The IC-i2a-Px12W-AO is a compact (170mm in diameter) full function 2 Megapixel PTZ. This Utility PTZ is IP66 Rated and is ideal for indoor/outdoor retail/FMCG applications. The IC-i2a-Px12W-AO is ceiling mountable with optional wall mount bracket (MNT-WBH3)

The IC-i2a-Px12W-AO has a 1/3" Sony Exmor Sensor that delivers 2 Megapixel resolution and coupled with the Ambarella chipset delivers bandwidth friendly HD performance. The unit also incorporates a powerful 12x optical zoom lens and many other features normally associated with larger, more expensive PTZ's.



## Main Features

- 1/3" Exmor CMOS
- Ambarella Chipset
- 2 Megapixel
- H.264 & MJPEG Video Compression
- 1080P/720P/D1 @ 25/30FPS
- 12x Optical Zoom (5.1 mm-61.2mm)
- Lens Angle = 51.3° ~ 4.64°
- Onvif (Ver 2) Profile S Compliant
- ICR true Day/Night
- Min Illumination: Colour: 0.05 Lux/F1.6, B/W: 0.005Lux/F1.6
- BLC / HLC / DWDR
- 2D / 3D Noise Reduction
- 360° Endless Pan
- 255 Pre-sets, 5 Pattern, 8 Tour, 5 Auto Scan, Auto Pan
- Power up Action, Idle Motion, Time Tasks
- Auto Recognise ICR-SD, Pelco D, Pelco D Protocols
- Up to 20 Users Network Access
- RJ-45 (10/100Base-T) Network Port
- Network Features: 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
- FREE SmartICRSS Client Software for Windows and Mac OS X
- ICRSS Pro Application for iOS (iPhone / iPad), Android (Smart Phone and Tablets) & Windows Phone
- 1 channel in/out Audio Interface
- Micro SD Slot (Max 64GB)
- 2 Alarm Input / 1 Alarm Output
- Active X and Quick Time Web Browser
- AC24V/1.5A (±10%) / <12W
- POE+(802.3at)
- IP66 Weatherproof
- Dimensions: Ø170mm×155mm
- Weight: 1.8KG

\*IC-i2a-Px12W-AO Pictured with the MNT-WBH3 Bracket kit which is an optional extra



[www.icrealtime.net](http://www.icrealtime.net)

**European Head Office**  
IC Realtime,  
12 Knockmitten Lane,  
Western Industrial Estate,  
Dublin 12, Ireland.  
**Phone** 0818 903 365  
(ROI National call rate)  
**Phone** +353 (0) 1 4268275  
**Fax** +353 (0) 1 4196245  
**Email** [info@icrealtime.ie](mailto:info@icrealtime.ie)

**UK Office**  
IC Realtime UK  
Surrey Technology Centre,  
40 Occam Road,  
Guildford GU2 7YG,  
United Kingdom  
**Phone** +44 (0) 1483 685460  
**Fax** +44 (0) 1483 685461  
**Email** [sales@icrealtime.co.uk](mailto:sales@icrealtime.co.uk)

**USA Head Office**  
IC Realtime, LLC,  
3050 N Andrews Ave EXT,  
Pompano Beach, FL 33064, USA  
**Phone** (954) 772-5327  
**Toll** (866) 997 9009  
**Fax** (866) 860-3860  
**Email** [info@icrealtime.com](mailto:info@icrealtime.com)

**USA West Coast Office**  
IC Realtime West Coast,  
14180 W Van Buren Street,  
Suite B-105, Goodyear,  
AZ 85338, USA  
**Phone** (602) 910 3432  
**Fax** (602) 626 3545  
**Email** [info@icrealtime.com](mailto:info@icrealtime.com)

Model	IC-i2a-Px12W-AO
<b>VIDEO</b>	
Image Sensor	1/3" Exmor CMOS
Chipset	Ambarella
Resolution	2 MegaPixel
Effective Pixels	1944(H) x 1092(V)
Scanning System	Progressive
Electronic Shutter Speed	1/3s - 1/30,000s
Min. Illumination	Colour: 0.05 Lux/F1.6, B/W: 0.005Lux/F1.6
S/N Ratio	>55dB
<b>ENCODE</b>	
Compression	H.264/ MJPEG
Resolution	1080P(1920×1080)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240)
FPS - Main Stream	1080P/D1 (1 - 25/30fps) /720P(1-50/60fps)
FPS - Sub Stream	D1/CIF(1 - 25/30fps)
Bit Rate	H.264: 448K - 8192Kbps, MJPEG: 56K - 20480Kbps
<b>FEATURES</b>	
Day/Night	Auto(ICR) / Color / B/W
Backlight Compensation	BLC / HLC / DWDR (Digital WDR)
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Gain Control	Auto/Manual
Noise Reduction	2D / 3D
Privacy Masking	Up to 24 areas
Digital Zoom	16x
<b>LENS</b>	
Focal Length	5.1 mm-61.2mm (12x Optical zoom)
Max Aperture	F1.2- F2.1
Focus Control	Manual
Angle of View	51.3° - 4.64°
Close Focus Distance	100mm-1000mm
<b>PTZ FUNCTIONS</b>	
Pan/Tilt Range	Pan: 0° - 360° endless; Tilt: -2° - 90°, auto flip 180°
Manual Control Speed	Pan: 0.1° - 300°/s; Tilt: 0.1° -120°/s
Preset Speed	Pan: 300°/s; Tilt:200°/s
Preset	80(ICR-SD) , 255(Pelco-P/D)
PTZ Mode	5 Pattern, 8 Tour, 5 Auto Scan, Auto Pan
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/Pan/Scan/Tour/Pattern if there is no command in the specified period
Time Task	Auto activation of Preset/Pan/Scan/Tour/Pattern by preset-time
Protocol	ICR-SD, Pelco-P/D (Auto recognition)
<b>NETWORK</b>	
Ethernet Port	RJ-45 (10/100Base-T)
Wi-Fi	N/A
Network Function	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
ONVIF	ONVIF Profile S
Max Online Users	20
<b>AUDIO</b>	
Interface	1/1 channel In/Out
Compression	G.711a / G.711u (32kbps) / PCM (128kbps)
<b>OTHER INTERFACES</b>	
Memory Slot	Micro SD, Max 64GB
RS-485	N/A
Alarm	2/1 channel In/Out
<b>GENERAL</b>	
Power Supply	AC24V/1.5A (±10%), POE+(802.3at)
Power Consumption	<12W
Working Environment	-10°C - 60°C / Less than 90% RH
IP Rating	IP66
Vandal Resistance	N/A
Dimensions	Φ170mm×155mm
Weight	1.8Kg