# Flex Gen4 Indoor Minidome

### Improved Situational Awareness
With multiple resolution options, deep learning AI and best image quality in varying lighting conditions provides better situational awareness for 24x7 operation

### Edge Intelligence
Flex AI suite bundle at the edge provides real time alert during events and helps gather specific information during forensic search

### Aesthetics and Easy Install
Flex indoor domes are light weight, small and aesthetically appealing with no visible screws. T20x screws is standard across range thus simplifying install experience

### Smart Bandwidth Management
IntelliZip optimizes bandwidth in real time thus helps in significant reduction of bit rate compared to H.264

### Open Standard Interface
Flex indoor minidome range is tested and qualified with latest ONVIF tools and hence can work with almost all major video management solutions qualified at same level

### Data Protection
Flex indoor minidome camera follows stringent JCI cyber program to protect captured data from its misuse. It fully complies to NDAA norms
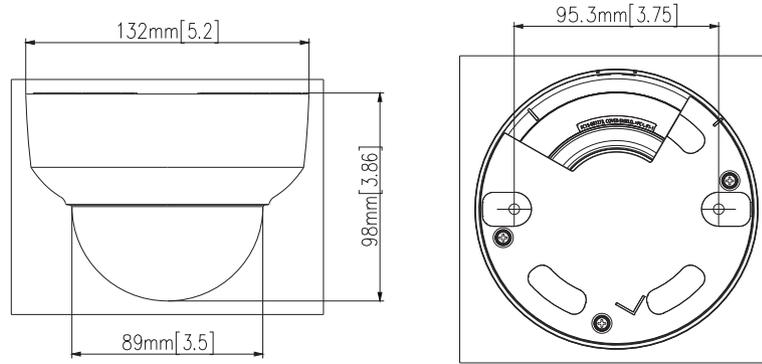
Illustra

Johnson Controls

# Specifications

| Operational | 2MP | 5MP | 8MP |
|---|---|---|---|
| **Camera** | | | |
| Image Sensor | Sony 1/2.8" Progressive Scan CMOS imager | Sony 1/2.8" Progressive Scan CMOS imager | Sony 1/1.8" Progressive Scan CMOS imager |
| Lens | 2.7 mm – 13.5 mm, MFZ, P-Iris | | 3.6 – 11mm, MFZ, P-iris |
| | F1.6(W) – F3.1(T) | F1.31(W) – F2.37(T) | F1.3(W) – F2.15(T) |
| | One touch auto focus, manual, and automatic focus with zoom | | |
| Field of View (FoV) | H: 103.1°(W) – 31.5°(T) V: 54.5°(W) – 17.7°(T) | H: 107.4°(W) – 34.2°(T) V: 56.2°(W) – 19.2°(T) | H: 112.1°(W) – 47.5°(T) V: 58.0°(W) – 26.6°(T) |
| Day/Night | True Day/Night CF removal | | |
| Minimum Illumination | Color: 0.05 lux, B/W: 0.005 lux | Color: 0.1 lux B/W: 0.01 lux | |
| Electronic Shutter Control | Automatic, Manual (1/4 to 1/32000 sec) | | |
| Camera Angle Adjustment | Pan 350°, Tilt 67°, Rotation 355° | | |
| Memory | 2048 MB RAM, 4096 MB Flash | | |
| **Video** | | | |
| Bandwidth Management | IntelliZip® Smart Codec | | |
| Video Compression | H.264/H.265/MJPEG H.264 IntelliZip® / H.265 IntelliZip® | | |
| Bitrate Control | CBR/VBR/CVBR (configurable) | | |
| Max Resolution (HxV) & Aspect Ratio | 16:9: 1920 x 1080 (2MP) to 480x272 | 4:3: 2560 x 1920 (5MP) to 480x272 | 16:9: 3840 x 2160 (8MP) to 480x272 |
| Max Frame Rate (60 Hz/50 Hz) | 2MP: 60/50 fps | 2MP: 60/50 fps 5MP: 30/25 fps | 2MP: 60/50 fps 8MP: 15/12.5 fps |
| Video Streams | Triple Streaming with a maximum of 5 concurrent shared streams | | |
| Dual Full HD Video Stream | Supported | | |
| Dynamic Range | True multi shutter WDR up to 141 dB Off, TWDR, TWDR 3x, SmartWDR | | |
| SmartDefog | Supported | | |
| Image Orientation | None, Mirror, Flip, Flip and Mirror Corridor Mode (rotate 90° right or left) | | |
| Picture Settings | Auto Exposure: Multiple Profiles (incl Auto, Gaming, LPR), Multiple ROI (incl AI ROI: Object, Person), Gain Control (Auto, Max, Manual), Flickerless, White Balance (Auto Normal, Auto Wide, Manual), text overlay | | |
| Privacy Zones | 10 user definable rectangular zones | | |
| **Analytics** | | | |
| AI Object Classification | **Classes:** Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Any Class **Sub-Classes (attributes):** Person Clothing Color (Upper, Lower), Vehicle Color **Rules:** Object Detected, Perimeter, Linger, Dwell, Abandoned/Removed, Enter, Exit, Crowd, Queue, Direction, Tripwire | | |
| AI Business Intelligence | People Counting | | |
| AI Tamper Detection | Blackout, Whiteout, Scene Change (FoV tamper) | | |
| AI Blur Detection | Supported | | |
| AI Metadata | Supported | | |
| Motion Detection Zones | 3 zones supported | | |
| **Network** | | | |
| Network | IEEE 802.3, 10/100Base-T Ethernet, RJ45, auto sensing | | |
| Cyber security | ISASecure ISA/IEC 62443-4-1 certified secure development Secure boot Signed and encrypted firmware | | |
| Authentication and Security | TLS, HTTPS (HTTP over TLS), WS-Security, Certificate Management, Multi-level password protection, IP address filtering, HTTPS encryption, Enhanced Security (One-Click Security Hardening), User Access Log, Validate Complex Credentials, Disabling Unused Protocols, IEEE 802.1x (PEAP, EAP-TLS, EAPoL), Brute force delay protection | | |
| Protocols | TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, RTCP, RTSP, TLS, Unicast, Multicast, NTP, ICMP, IGMP, SMTP, WS-Security, IEEE 802.1x, PEAP, EAP-TLS, EAPoL, SSH, HTTPS, SOAP, WS-Addressing, CIFS, UPNP, LLDP, SIP, ARP, EAP-LEAP, QoS | | |
| Network management | SNMPv1/v2c/v3(MIB-2) | | |
| Simultaneous users | 10 users | | |
| **System Integrations** | | | |
| Application Programming Interface | ONVIF Profile S, G, T, M conformant Illustra iAPI via Connected partner program | | |
| Event Triggers | Motion Detection, Tamper & Blur Detection, AI Object classification, Alarm Input, Network Loss, Periodic Event, Temperature | | |

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| | |
|---|---|
| Event Actions | Record to SD card, Snapshot, SMTP e-mail file transfer, FTP file transfer, CIFS, Auxiliary output, Audio clip playback, SIP call |
| Audio compression | G.711 μ-law |
| Audio Input/Output | Bi-directional, 1x Line input and 1x Line output |
| External I/O Terminals | 1x Alarm In and 1x Alarm Out |

**Peripherals**

| | |
|---|---|
| Onboard Storage | microSDXC slot, Class 10 or better, upto 1TB supported (Card not included)<br>Pre event / Post event 1- 10 sec<br>Encrypted storage and streaming<br>TrickleStor offline recording and backfilling |
| Wireless configuration | Micro USB via optional USB Wi-Fi Dongle IA-KIT-WD-UUA |

**Electrical**

| | PoE 802.3af (802.3at Type 1) Class 3 \| 24VAC | | |
|---|---|---|---|
| Power | **PoE (2MP)**<br>Typ. 0.1A / Max 0.15A<br>Typ. 4.5W / Max 7.1W | **PoE (5MP)**<br>Typ. 0.11A / Max 0.16A<br>Typ. 5.2W / Max 7.5W | **PoE (8MP)**<br>Typ. 0.12A / Max 0.19A<br>Typ. 5.5W / Max 8.7W |
| | **24VAC**<br>Typ. 0.38A / Max 0.56A<br>Typ. 4.7W / Max 7.4W | **24VAC**<br>Typ. 0.43A / Max 0.59A<br>Typ. 5.4W / Max 7.8W | **24VAC**<br>Typ. 0.45A / Max 0.67A<br>Typ. 5.7W / Max 9.0W |

**Physical**

| | |
|---|---|
| Operating conditions | -20°C (-4°F) to +60°C (140°F)<br>Start-up temperature: -20°C (-4°F)<br>up to 90% RH, Non-Condensing |
| Casing | IK08<br>Housing: Aluminum alloy<br>Bubble trim ring & dome: Polycarbonate<br>Color: Signal White Pantone RAL 9003 |
| Dimensions | Ø132 x 98 mm (Ø5.2 x 3.9 in) |
| Weight | Net 0.43kg (0.95 lbs.), Gross 0.70kg (1.54 lbs.) |

**Regulatory**

| | |
|---|---|
| EMC | CE/UKCA: EN 55032 Class A, EN 61000-3-2, EN 61000-3-3, EN 50130-4, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11, BS EN 55032, BS EN 50130-4, BS EN 61000-3-2, BS EN 61000-3-3<br>ICES-003/NMB-003 Class A<br>CFR 4 7 FCC Part 15 Subpart B Class A<br>RCM AS/NZS CISPR 32 Class A<br>KS C 9832 Class A, KS C 9835 |
| Safety | UL 62368-1, CAN/CSA C22.2 No. 62368-1<br>KC 62368-1<br>BIS IS13252 Part 1 |
| Environmental | IEC 62262 IK08<br>BS EN IEC 63000<br>ROHS, REACH, WEEE |

**General**

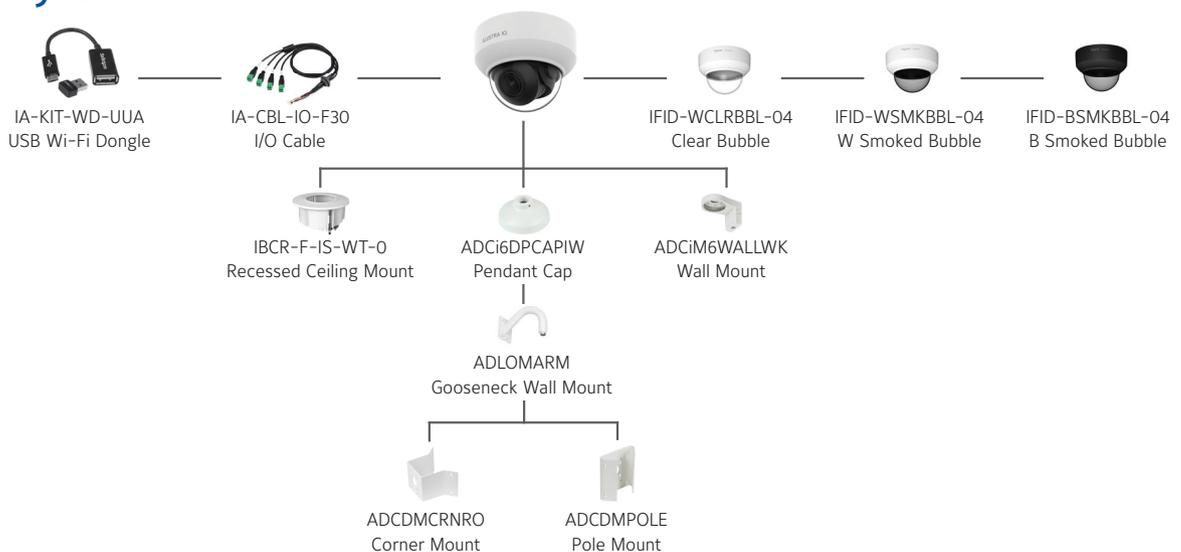| | |
|---|---|
| Web Browsers | Microsoft Edge, Firefox, Safari, Chrome |
| Language | Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, English (default), French, German, Hungarian, Italian, Japanese, Korean, Netherlands, Polish, Portuguese, Russian, Spanish, Swedish, Turkish |
| NDAA Compliant | Yes |
| Warranty | 5 Years |

# Camera Dimensions

Unit: mm(in)

132mm[5.2]

98mm[3.86]

89mm[3.5]

95.3mm[3.75]

# Ordering Information

| Model Number | Sales Description |
|---|---|
| IFS02-D12-ATB4 | Illustra Flex Gen4 2MP Minidome, 2.7–13.5mm, AI, TDN, TWDR, IK08, Indoor, Smoked Bubble |
| IFS05-D12-ATB4 | Illustra Flex Gen4 5MP Minidome, 2.7–13.5mm, AI, TDN, TWDR, IK08, Indoor, Smoked Bubble |
| IFS08-D13-ATB4 | Illustra Flex Gen4 8MP/4K Minidome, 3.6–11mm, AI, TDN, TWDR, IK08, Indoor, Smoked Bubble |

# Optional Accessories

| Model Number | Description |
|---|---|
| IA-CBL-IO-F30 | I/O cable |
| IA-KIT-WD-UUA | Wi-Fi Dongle Kit |
| IFID-BSMKBBL-04 | Illustra Flex Smoked Bubble, Black Trim |
| IFID-WCLRBBL-04 | Illustra Flex Clear Bubble, White Trim |
| IFID-WSMKBBL-04 | Illustra Flex Smoked Bubble, White Trim |
| IBCR-F-IS-WT-0 | Illustra Flex Indoor Recessed Ceiling Mount |
| ADCi6DPCAPIW | Pendant Cap, White |
| ADCiM6WALLWK | Wall Mount, White |
| ADLOMARM | Gooseneck Mounting Arm, White |
| ADCDMCRNRO | Corner Mount Adapter, White |
| ADCDMPOLE | Pole Mount Adapter, White |

# Accessory Chart

IA-KIT-WD-UUA
USB Wi-Fi Dongle

IA-CBL-IO-F30
I/O Cable

IFID-WCLRBBL-04
Clear Bubble

IFID-WSMKBBL-04
W Smoked Bubble

IFID-BSMKBBL-04
B Smoked Bubble

IBCR-F-IS-WT-0
Recessed Ceiling Mount

ADCi6DPCAPIW
Pendant Cap

ADCiM6WALLWK
Wall Mount

ADLOMARM
Gooseneck Wall Mount

ADCDMCRNRO
Corner Mount

ADCDMPOLE
Pole Mount

IL1472-DS-202409-R01-HS-EN

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