



Flex Gen4 Outdoor Minidome



Improved Situational Awareness

With multiple resolution options, deep learning AI, inbuilt IR 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



High Performance & Mission Critical

Flex outdoor cameras with TrickleStor (edge storage redundancy), dual power (power failover), outdoor rated, smart & adaptive IR and P-iris lens for high resolution images with good depth of field provides high performance solution for mission critical applications



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 outdoor 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 outdoor minidome camera follows stringent JCI cyber program to protect captured data from its misuse. It fully complies to NDAA norms

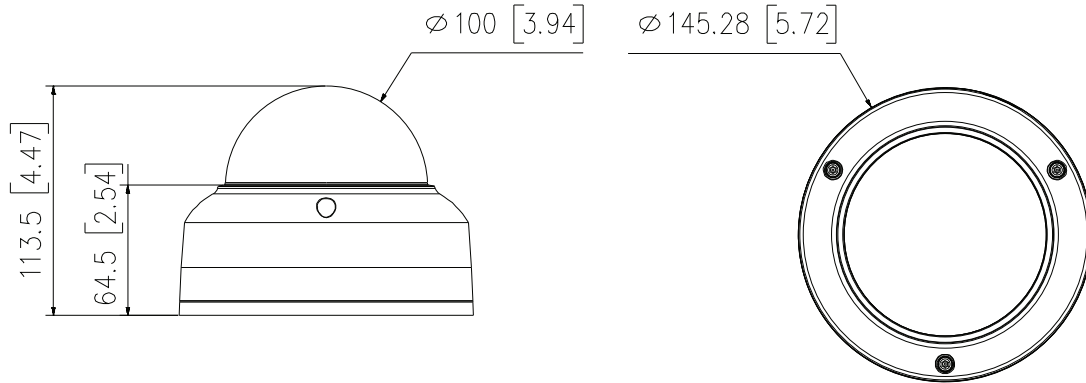
Specifications

| 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 | |
| Camera Angle Adjustment | Pan 350°, Tilt 67°, Rotation 355° | | |
| Electronic Shutter Control | Automatic, Manual (1/4 to 1/32000 sec) | | |
| IR Illumination | 850 nm, Smart / Adaptive IR, up to 50m (164 ft) | | |
| 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 Default resolution 16:9: 2560 x 1440 (4MP) | 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 Stabilization | Electronic image stabilization (EIS) using gyro sensor | | |
| 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 | | |
| 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) | | |
| 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 | | |

| | | | |
|------------------------|---|---|---|
| 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, up to 1TB supported (Card not included) Pre event / Post event 1- 10 sec Encrypted storage and streaming TrickleStor offline recording and backfilling | | |
| Wireless configuration | Micro USB via optional USB Wi-Fi Dongle IA-KIT-WD-UUA | | |
| Electrical | | | |
| Power | PoE 802.3af (802.3at Type 1) Class 3 24VAC | | |
| | PoE (2MP) Typ. 0.1A / Max 0.21A Typ. 4.5W / Max 10.0W | PoE (5MP) Typ. 0.11A / Max 0.22A Typ. 5.2W / Max 10.4W | PoE (8MP) Typ. 0.12A / Max 0.25A Typ. 5.5W / Max 12.0W |
| | 24VAC (2MP) Typ. 0.38A / Max 0.75A Typ. 4.7W / Max 10.3W | 24VAC (5MP) Typ. 0.43A / Max 0.78A Typ. 5.4W / Max 10.7W | 24VAC (8MP) Typ. 0.45A / Max 0.88A Typ. 5.7W / Max 12.3W |
| Dual Power Redundancy | Supported | | |
| Physical | | | |
| Operating conditions | -50°C (-58°F) to +60° C (140°F) (IR off at +50° C/122° F) Start-up temperature: -40°C (-40°F) Humidity up to 95% RH, Non-Condensing | | |
| Casing | IP66, IP67, NEMA 4x and IK10 rated Housing: Aluminum alloy Dome: Polycarbonate Color: Signal White Pantone RAL 9003 | | |
| Dimensions | Ø145x106.5mm (Ø5.71 x 4.19 in) (without mount plate) Ø145.3x113.5mm (Ø5.72 x 4.47 in) (with mount plate) | | |
| Weight | Net 1.01 kg (2.23 lbs.), Gross 1.29 kg (2.84 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 ICES-003/NMB-003 Class A CFR 47 FCC Part 15 Subpart B Class A RCM AS/NZS CISPR 32 Class A KS C 9832 Class A, KS C 9835 | | |
| Safety | UL 62368-1, CAN/CSA C22.2 No. 62368-1 KC 62368-1 BIS IS13252 Part 1 IEC 62471 | | |
| Environmental | IEC 60529 IP66, IEC 60529 IP67 IEC 62262 IK10 BS EN IEC 63000 ROHS, REACH, WEEE NEMA 250 Type 4x | | |
| 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)



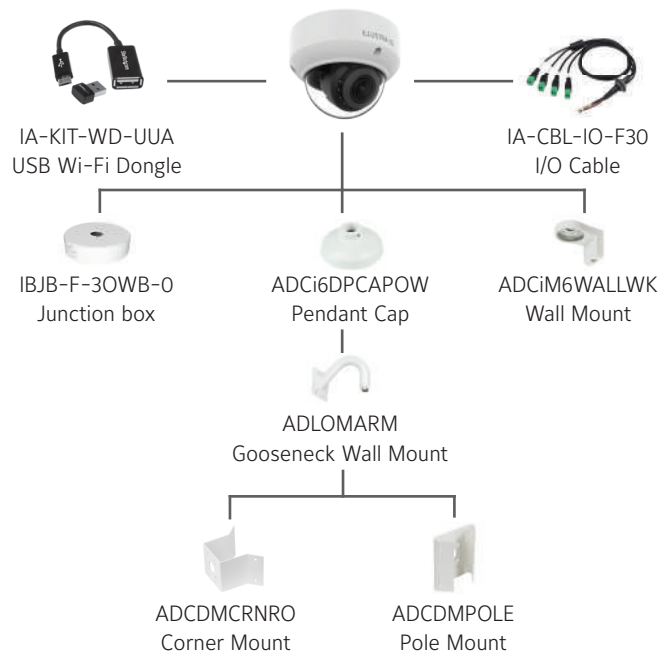
Ordering Information

| Model Number | Sales Description |
|----------------|--|
| IFS02-D12-OIB4 | Illustra Flex Gen4 2MP Minidome, 2.7-13.5mm, AI, TDN w/IR, TWDR, EIS, IP66/67, IK10, Clear Bubble |
| IFS05-D12-OIB4 | Illustra Flex Gen4 5MP Minidome, 2.7-13.5mm, AI, TDN w/IR, TWDR, EIS, IP66/67, IK10, Clear Bubble |
| IFS08-D13-OIB4 | Illustra Flex Gen4 8MP/4K Minidome, 3.6-11mm, AI, TDN w/IR, TWDR, EIS, IP66/67, IK10, Clear Bubble |

Optional Accessories

| Model Number | Description |
|---------------|-------------------------------|
| IA-CBL-IO-F30 | I/O cable |
| IA-KIT-WD-UUA | Wi-Fi Dongle Kit |
| IBJB-F-3OWB-0 | Junction Box, White |
| ADCi6DPCAPOW | Pendant Cap, White |
| ADCiM6WALLWK | Wall Mount, White |
| ADLOMARM | Gooseneck Mounting Arm, White |
| ADCDMCRNRO | Corner Mount Adapter, White |
| ADCDMPOLE | Pole Mount Adapter, White |

Accessory Chart



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