

Illustra Flex Gen4

2MP, 4MP, 8MP Mini-Domes



Key Features

- 2MP, 4MP & 8MP resolution provides true HD quality images with video analytics along with improved WDR
- Built in AI delivers accurate object classification, powerful situational awareness and security automation
- Increased IR Distance
- VideoEdge® TrickleStor technology for edge-based failover redundancy
- Easy to install with user friendly accessories and Wi-Fi configuration

High-Quality, Versatile Video Capabilities

The powerful Illustra Flex Mini-Domes are designed to offer a superior image quality, feature rich surveillance option for a wide range of applications. The outdoor mini-domes feature built-in long range IR illuminators to produce clear images at an effective distance of 40 meters in a variety of low light conditions. Fourth-generation Illustra Flex models offer high resolution and high performance while simplifying installation and configuration.

Edge Intelligence Driven by Deep Learning AI

Illustra Flex Mini-Domes are powered by the rise of intelligence at the edge. With built-in AI based object classification, events can be narrowed to classes such as person, car, bus, motorcycle and more. Forensic searches becomes more accurate and situational awareness more automated with fewer missed incidences and false alarms. Choose from a variety of analytic rules to customize the solution that will be most beneficial to your business and begin gathering transformative data instantly.

Powerful Technology to Increase Confidence and Savings

The Flex product family cameras feature built-in technology that ensure efficient recording and smart bandwidth management. When paired with VideoEdge, exacqVision NVR or Cloudvue, edge-based failover redundancy allows video recording to continue on the camera when a network disruption occurs or the NVR / cloud is offline. When the connection is restored, video transfers back to the media database for a seamless video timeline experience. Illustra® IntelliZip continuously monitors and optimizes system streaming parameters to match the level of activity within the camera's field of view.

Safeguard Against Cyber Attacks Across Devices

Illustra Flex cameras have been designed to be resilient against cyber threats. Our products are gated, analyzed, tested and required to meet and exceed the rigorous standards of the Johnson Controls Cyber Solutions Product Security Program for every release. This holistic approach is aimed at providing peace of mind to our customers. Our security mindset begins at initial design concept and is supported through deployment, including a rapid incident response to meet the comprehensive and evolving cybersecurity environments.

Specifications

| Operational | 2 MP | 4 MP | 8 MP |
|-------------------------------|---|---|--|
| Video Compression | H.264 / H.265 / MJPEG / IntelliZip | | |
| Max Frame Rate | 2MP @ 60fps | 4MP @ 30fps | 8MP @15fps |
| Resolution & Aspect Ratio | 1920 x 1080 (1080p) 16:9 1664 x 936 (HD+) 16:9 1280 x 720 (720p) 16:9 1024 x 576 (PAL+) 16:9 960 x 544 (qHD) 16:9 816 x 464 16:9 640 x 360 (nHD) 16:9 480 x 272 16:9 | 2560 x 1920 (5MP) 4:3 2560 x 1440 (4MP)*1 16:9 1920 x 1080 (1080p) 16:9 1664 x 936 (HD+) 16:9 1280 x 720 (720p) 16:9 1024 x 576 (PAL+) 16:9 816 x 464 16:9 800 x 600 (SVGA) 4:3 800 x 448 16:9 640 x 360 (nHD) 16:9 480 x 272 16:9 *default resolution | 3840 x 2160 (4K) 16:9 3264 x 1840 (6MP)16:9 2688 x 1520 (4MP)16:9 1920 x 1080 (1080p) 16:9 1664 x 936 (HD+) 16:9 1280 x 720 (720p) 16:9 1024 x 576 (PAL+) 16:9 960 x 544 (qHD) 16:9 816 x 464 16:9 640 x 360 (nHD) 16:9 480 x 272 16:9 |
| Imager | 1/2.8" Sony IMX327 CMOS | 1/2.8" Sony IMX335 CMOS | 1/1.8" Sony IMX334 CMOS |
| Image Orientation Settings | None, Mirror, Flip, Flip and Mirror, Corridor (rotate 90° right or left) | | |
| Video Streams | Triple Streaming | | |
| Lens Type | Motorized Varifocal and Focus, P-Iris | | |
| Focus Control | One Touch Auto-Focus or Remote Adjustment | | |
| Focal Length | 2.7-13.5mm | 2.7-13.5mm | 3.6-11mm |
| Field of View Wide (H/V) | 112°/58° | 103°/74° | 95°/53° |
| Field of View Telephoto (H/V) | 35°/20° | 33°/25° | 49°/28° |
| Aperture | f/1.4 (W) f/2.8 (T) | f/1.4 (W) f/2.8 (T) | f/1.5 (W) f/2.8 (T) |
| Minimum Illumination | | | |
| Color, 1/4s, 30 IRE, AGC | 0.04 Lux | 0.11 Lux | 0.2 Lux |
| B/W, 1/4s, 30 IRE, AGC | 0.02 Lux | 0.06 Lux | 0.11 Lux |
| W/IR | 0.0 Lux | 0.0 Lux | 0.0 Lux |
| IR Distance | Indoor: N/A; Outdoor: 40m | | |
| Dynamic Range | True WDR 120 dB Technologies | | |
| Day/Night | True Day/Night CF Removal | | |
| Shutter Speed | ≥ 1/10,000 to 1/4 s | | |
| ONVIF-Compliant | Profiles S | | |
| Object Classification | Yes | | |

| | |
|---------------------------------|--|
| Object Class | Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Any Class |
| Rules | Object Detected, Perimeter, Linger, Dwell, Abandoned / Removed, Enter, Exit, Crowd, Queue |
| Motion Detection Zones | 3 |
| Face Detection | No |
| Blur Detection | Yes |
| Privacy Zones | 8 |
| Alarm Input/Output | 1 input, 1 output |
| Video Output | HDMI (requires accessory) |
| Audio | Bi-directional; 1 input, 1 output |
| Simultaneous Users | 10 |
| Supported Languages | Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, English (default), French, German, Hungarian, Italian, Japanese, Korean, Netherlands, Polish, Portuguese, Russian, Spanish, Swedish, Turkish |
| Network | |
| Ethernet Interface | 10/100 BaseT, RJ-45, Auto-Negotiation |
| Supported Protocols | TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, TLS, RTSP, ICMP, Unicast, Multicast, NTP, SMTP, WS-Security, SNMP, CIDS, FSTP, UPnP™, SIP |
| Configuration Management | |
| Web Browsers | MS Edge, Firefox, Safari, Chrome |
| Security | Secure Boot, Enhanced Security Mode (forces complex passwords, HTTPS and disables discovery); TLS 1.2 (256 bit cipher minimum); Security Overview Page (status and configuration); RTSP Authentication; IEEE 802.1X Client; Remote Accessible Audit logs; Role-Based Access Control, Video Encryption for local storage and streaming. |
| Onboard Storage | |
| Card Support | micro SDXC up to 1TB |
| Pre-Alarm Recording | Yes |
| Recording Format | MP4 File Format |
| Recording Trigger | Dry Contact Alarms, Motion Detection, AI Object Classification, Periodic Events |
| TrickleStor | Yes, encrypted storage |
| Electrical | |
| Power | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3; 24 VAC or 24 VDC Indoor: PoE 4K=6.72W, 2MP/4MP= 6.24W; 24 VAC 4K=7.9W, 2MP/4MP= 7.6W Outdoor: PoE 4K=12.72W, 2MP/4MP= 11.8W; 24 VAC 4K=13.2W, 2MP/4MP= 12.9W |
| Physical | |
| Dimensions (RxH) | Ø123mm x 107mm (4.85 in x 4.21 in) |
| Weight | 0.97KG (2.14 lbs) |
| Housing Color | Signal White - RAL 9003 |
| Operating Temperature | Indoor: -10°C to +60°C; Outdoor: -50°C to +60°C |
| Humidity | Up to 90% Non-Condensing |
| Vandal Resistant | IK10 |
| Outdoor Rating | IP66/IP67 |
| Regulatory | |
| Safety | UL 62368-1; CAN/CSA C22.2 No. 62368-1-14; IEC 62368-1; EN 62368-1 |
| Emissions: (Class A) | FCC Part 15; ICES-003 - 7; EN55032; BS EN 55032; CISPR 32; AS/NZS CISPR 32 |
| Immunity | EN 50130-4; BS EN 50130-4 |
| Environment | RoHS; WEEE |














Flex Indoor Mini-Dome



Flex Outdoor Mini-Dome

Accessories

| Accessory Type | Image | Model Number | Description | Dimensions | Color |
|-----------------------------------|---|---------------|--|---|----------|
| Wall Mount |  | IPSMDWALL3 | Wall Mount Kit: Indoor/Outdoor, White | 6.3 x 3.3 x 9.1 in (160.5 x 83 x 230.5 mm) | RAL 9003 |
| Pendant Cap |  | ADCi6DPCAPIW | Pendant Cap: Outdoor, White | Ø5.16 x 2.17 in (Ø141 x 55 mm) | RAL 9003 |
| Gooseneck Arm |  | ADLOMARM | For use with Pendant Cap | 4.4 x 8.78 x 4.4 in (112.5 x 222.9 x 112.5 mm) | RAL 9003 |
| Pole Mount Adapter |  | ADCDMPOLE | For use with Pendant Cap and Gooseneck Arm, or directly to the camera back plate | Wraps around pole | RAL 9003 |
| Outside Corner Mount Adapter |  | ADCDMCRNRO | For use with Pendant Cap and Gooseneck Arm, or directly to the camera back plate | 5.18 x 7.58 in (131.5 x 192.5 mm) | RAL 9003 |
| Illustra Mini-Dome Recessed Mount |  | IFDRECMNT | Recessed mount with white bezel, allowing for flush ceiling installation | Ø7.76 x 1.61 in (Ø197 x 41 mm) | RAL 9003 |
| Bubble Assembly |  | IA-BBL-CV-F4D | Vandal Clear Bubble Assembly | Ø123 x107mm | RAL 9003 |
| Bubble Assembly |  | IA-BBL-SV-F4D | Vandal Smoked Bubble Assembly | Ø123 x107mm | RAL 9003 |

| | | | | | |
|--------------------|---|---------------|---|-----------------------------------|----------|
| Mounting Plate |  | IPSMDEBPLATE | Mini-dome mounting plate Universal electrical box mounting plate, White | Ø5.6 x 0.13 in (Ø143 x 3.3 mm) | RAL 9003 |
| Adaptor Cable |  | IA-KIT-WD-UUA | Micro USB On-The-Go (OTG) with USB wireless network adapter, Black | | |
| HDMI Adaptor Cable |  | IA-HDM-OD-F4D | HDMI adaptor cable, 0.25m | | Black |

Ordering Information

| Model Number | Description |
|----------------|---|
| IFS02-D12-ITA4 | Illustra Flex Gen4 2MP Mini-Dome, 2.7-13.5mm, Indoor, IP67, IK10, TDN, SMK, TWDR |
| IFS04-D12-ITA4 | Illustra Flex Gen4 4MP Mini-Dome, 2.7-13.5mm, Indoor, IP67, IK10, TDN, SMK, TWDR |
| IFS08-D13-ITA4 | Illustra Flex Gen4 8MP Mini-Dome, 3.6-11mm, Indoor, IP67, IK10, TDN, SMK, TWDR |
| IFS02-D12-OIA4 | Illustra Flex Gen4 2MP Mini-Dome, 2.7-13.5mm, Outdoor, IP67, IK10, TDN w/IR, TWDR |
| IFS04-D12-OIA4 | Illustra Flex Gen4 4MP Mini-Dome, 2.7-13.5mm, Outdoor, IP67, IK10, TDN w/IR, TWDR |
| IFS08-D13-OIA4 | Illustra Flex Gen4 8MP Mini-Dome, 3.6-11mm, Outdoor, IP67, IK10, TDN w/IR, TWDR |

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