

Illustra Flex Gen3 3MP & 8MP(4K) Outdoor Mini-Dome IR



Key Features

- Easy to install with engineer friendly accessories and WiFi configuration
- Built-in tamper detection for scene change, lens obscuration or blinding light.
- Increased IR Distance
- High speed detection with 60FPS in 2MP resolution
- 3MP & 8MP(4K) resolution provides true HD quality images with video analytics along with improved WDR
- VideoEdge® TrickleStor technology for edge-based failover redundancy
- Advanced analytics (8MP(4K) models only)

High-Quality, Versatile Video Capabilities

The powerful Illustra Flex Outdoor Mini-Domes are designed to offer a high-image quality, feature rich surveillance option for a wide range of applications. The increased amount of pixels per foot on the 8MP(4K) model improves image detail in wide areas such as loading docks and airport terminals. Also, the Mini-Domes feature built-in IR illuminators to produce clear images at an effective distance in a variety of low light conditions. Deployments that strive for a combination of high-resolution and high-performance at a competitive price point, all while simplifying installation and configuration stand to benefit the most from the these Illustra Mini-Domes.

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 a VideoEdge or exacqVision NVR, edge-based failover redundancy allows video recording to continue on the camera when a network disruption occurs or the NVR is offline, then when connection is restored transfers video back to the media database for seamless viewing later. 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 or exceed the rigorous standards of the Johnson Controls Cyber Solutions Product Security Program for every consecutive 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 | 3MP | 8MP(4K) |
|-----------------------------|--|---|
| Video Compression | MJPEG, H.264, H.264 IntelliZip, H.265 and H.265 IntelliZip | |
| Resolution | 2048x1536/ 1920x1080/ 1664x936/ 1280x720/ 1024x576/ 640x480/ 640x360/ 480x360/ 384x288 | 3840x2160/ 3264x1840/ 2688x1520/ 1920x1080/ 1664x936/ 1280x720/ 1024x576/ 960x544/ 816x464/ 640x360/ 480x272 |
| Max. Framerate | H.265/H.264: Max. 60fps MJPEG: Max. 20fps | |
| Smart Codec | IntelliZip | |
| Imaging Device | 1/2.8" 3.21MP CMOS | 1/1.8" 8.3MP CMOS |
| Effective Pixels | 2065(H) x 1553(V) | 3840(H) x 2160(V) |
| Min. Illumination | Color: min 0.05 lux (1/30sec, 30IRE) BW: 0.005Lux | Color: min 0.27 lux (1/30sec, 30IRE) BW: 0.027Lux |
| Focal Length | 3.2 ~ 10mm | 4.17 ~ 9.48mm |
| Max. Aperture Ratio | F1.6(W) ~F2.9(T) | F1.9(W) ~F2.8(T) |
| Angular Field of View | H: 94.7°(W)~29.34°(T) V: 68.7°(W)~22°(T) D: 125.21°(W)~36.45°(T) | H: 111.66°(W)~ 46.69°(T) V: 62.53°(W)~26.36°(T) D: 131.91°(W)~53.21°(T) |
| Focus Control | Simple focus, (software controls: one-touch AF and manual control) | |
| Lens Type | Motorized varifocal, P-Iris | |
| IR Viewable Length | 40m (131.23ft) Adaptive IR | |
| Day & Night | Auto Low/ Auto Mid(Default)/ Auto High/ Manual/ Forced Color/ Force B&W | |
| Backlight Compensation | Exposure Weighting: Top, Bottom, Left, Right, Full, Centre, Spot | |
| Wide Dynamic Range | True WDR 140db Technologies | True WDR 120db Technologies |
| Digital Noise Reduction | 2D&3DNR | |
| Signal to Noise Ratio (SNR) | 50db | |
| Digital Image Stabilization | No | |
| Motion Detection | 3ea, polygonal zones | |
| Privacy Masking | 9ea, rectangular zones | |
| Gain Control | Automatic & Manual (3dB increments) | |
| White Balance | Automatic Wide, Automatic Normal (Default), Manual | |
| Lens Distortion Correction | Support | |
| Electronic Shutter Speed | Minimum 1/4s, Maximum 1/10,000s | |
| Video Rotation | Corridor Mode, Mirror & Flip | |
| Alarm I/O | Input 1ea (digit) / Output 1ea, IO Cable (IA-CBL-IO-F30) required | |
| Alarm Triggers | Motion detection, Tampering detection, Alarm input, Defocus detection | |
| Alarm Events | Alarm output, Onboard recording, Snapshot, Notification via e-mail, FTP upload, CIFS upload | |
| Audio In (w/ IO Cable) | Line in, IO Cable (IA-CBL-IO-F30) required | |
| Audio Out (w/ IO Cable) | Line out, IO Cable (IA-CBL-IO-F30) required | |
| Micro USB | WiFi Installation Support via Illustra Mobile Toolkit | |
| Pan / Tilt / Rotate | | |
| Pan / Tilt / Rotate Range | 0°~350° / 0°~67° / 0°~355° | |








| Video Intelligence Analytics | | |
|-----------------------------------|--|--|
| Standard | Tampering, Defocus / Motion Detection | |
| Advanced ¹ | - | Linger, Exit, Direction, Abandoned/ Removed Objects, Dwell, Enter, Object Detection, Perimeter, Queue, Crowd |
| Face Detection ¹ | - | Yes |
| Tamper Detection | Scene Change | |
| Blur Detection | Yes | |
| Network | | |
| Ethernet | RJ-45(10/100BASE-T) | RJ-45(10/100/1000BASE-T) |
| Bitrate Control | H.264/H.265: CBR or VBR or CVBR | |
| Streaming | Multiple streaming (Up to 3 profiles) | |
| Audio Compression | G.711 alaw and ulaw selectable G.711 8KHz | |
| Protocol | 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, WSAddressing, CIFS, SNMP, UPNP, RTSP, LLDP | |
| Security | TLS - RFC5246 v1.2, HTTPS (HTTP over TLS) - RFC2818, WS-Security, Certificate Management, Multi-Level Password Protection, IP Address/ Filtering, HTTPS Encryption, One-Click Security Hardening, User Access Log, Validate Complex Credentials, Disabling Unused Protocols, IEEE / 802.1x Including: PEAP, EAP-TLS, EAPoL | |
| Edge Storage | Micro SD/SDHC/SDXC 1slot 512GB | |
| Application Programming Interface | iAPI-3 | |
| ONVIF-Compliant | Profile S | |
| Memory | 512MB RAM, 512MB Flash | 1GB RAM, 512MB Flash |
| Environmental | | |
| Operating Temperature / Humidity | -40°C ~ +50°C (-40°F ~ +122°F) <i>Up to 5 concurrent hours at up to 60°C / Less than 90% RH</i> | |
| Storage Temperature / Humidity | -40°C ~ +55°F (-40°C ~ +131°F) / Less than 90% RH | |
| Environmental | IP66/ IP67 | |
| Vandal Resistance | IK10 | |
| Electrical | | |
| Input Voltage | 24 VAC (-20% ~ +30%, 47 ~ 63 Hz), PoE 802.3af (802.3at Type 1) | |
| Power Consumption | 24 VAC: Max 12.6W PoE: Max 12.3W | 24 VAC: Max 14.0W PoE: Max 12.95W |
| Mechanical | | |
| Color / Material | White / Aluminum | |
| RAL Code | RAL9003 | |
| Product dimensions / weight | (∅) 145 x (H) 106.5 mm (5.70 x 4.19 in) 1.kgs (2.64lbs) | |
| Regulatory | | |
| Safety | UL62368-1; CAN/CSA-C22.2 No. 62368-1, BIS IS13252 Part 1:2010 | |
| Emissions | FCC Part 15 Class A; EN55032 Class A; AS/NZS CISPR 32 Class A; ICES-003/NMB-003 Class A | |
| Immunity | EN50130-4 | |
| Environment | RoHS/WEEE, REACH | |

1. Advanced Analytics and Face Detection subject to future firmware release

Ordering information

| Model Number | Description |
|----------------|---|
| IFS03-D21-OI03 | Illustra Flex 3MP Gen3 MiniDome, 3.2-10mm, Outdoor, Clear, IP66 IK10, TDN w/IR, WDR |
| IFS08-D22-OI03 | Illustra Flex 4K Gen3 MiniDome, 4.17-9.48mm, Outdoor, Clear, IP66 IK10, TDN w/IR, WDR |

Accessories

| Model Number | | Description |
|---------------|---|---|
| IA-CBL-IO-F30 |  | Illustra Flex Gen3 I/O Cable for Flex Gen3 Domes |
| IBJB-F-30WB-0 |  | Illustra Flex Gen3 Junction Box for Flex Gen3 Domes |
| ADCi6DPCAPOW |  | Pendant Cap, White |
| ADLOMARM |  | Gooseneck Mounting Arm, White |
| ADCDMCRNRO |  | Corner Mount Adapter, White |
| ADCDMPOLE |  | Pole Mount Adapter, White |
| ADCiM6WALLWK |  | Wall Mount, White |

Specifications are subject to amendment without notification

About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat.

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