

Illustra Flex Gen3 3MP & 8MP(4K) Indoor Dome



Key Features

- Easy to install with engineer friendly accessories and WiFi configuration
- Built-in tamper detection for scene change, lens obscuration or blinding light.
- 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 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. 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" 8.42MP 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 (Zoom Ratio)	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	
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	
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	Line in	
Audio Out	Line out	
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 SDXC up to 512GB	
Application Programming Interface	iAPI-3	
ONVIF-Compliant	Profile S	
Memory	512MB RAM, 512MB Flash	1GB RAM, 512MB Flash
Environmental		
Operating Temperature / Humidity	-20°C to +50°C (-4°F ~ +122°F)/ Less than 90% RH	
Storage Temperature / Humidity	-20°C to +55°C (-4°F ~ +131°F)/ Less than 90% RH	
Vandal Resistant	IK08	
Electrical		
Input Voltage	24 VAC (-20% ~ +30%, 47 ~ 63 Hz), PoE 802.3af (802.3at Type 1)	
Power Consumption	24 VAC: Max 7.2W PoE: Max 7.0W	24 VAC: Max 8.8W PoE: Max 8.6W
Mechanical		
Color / Material	White / Aluminum	
RAL Code	RAL9003	
Product dimensions / weight	132 x 98 mm (5.20 x 3.86 in) / 0.71kg (1.57 lbs)	
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	EN50130-3	
Environment	RoHS; WEEE	

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

Ordering information

Model Number	Description
IFS03-D21-AT03	Illustra Flex 3MP Gen3 Dome, 3.2-10mm, Indoor, IK08, TDN, WDR
IFS08-D22-AT03	Illustra Flex 4K Gen3 Dome, 4.17-9.48mm, Indoor, IK08, TDN, WDR

Accessories

Model Number		Description
IA-CBL-IO-F30		Illustra Flex Gen3 I/O Cable for Flex Gen3 Domes
IBJB-F-3OWB-0		Illustra Flex Gen3 Junction Box for Flex Gen3 Domes
IBCR-F-IS-WT-0		Illustra Flex Gen3 Indoor Recessed Ceiling Mount for Flex Gen3 Indoor Domes
IFID-WCLRBBL-03		Illustra Flex Gen3 Bubble - For Indoor Flex Gen3, Clear Bubble, White Trim
IFID-WSMKBBL-03		Illustra Flex Gen3 Bubble - For Indoor Flex Gen3, Smoked Bubble, White Trim
IFID-BSMKBBL-03		Illustra Flex Gen3 Bubble - For Indoor Flex Gen3, Smoked Bubble, Black Trim
ADCi6DPCAPOW		Pendant Cap, White
ADLOMARM		Gooseneck Mounting Arm, White
ADCDMCRNRO		Corner Mount Adapter, White
ADCDMPOLE		Pole Mount Adapter, White
ADCiM6WALLWK		Wall Mount, White

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