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.

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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

Illlustra 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		

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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

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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

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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

About Johnson Controls

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