



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 (4K models only)

Optimal Image Clarity with a Tough Exterior

Solid yet affordable, the Illustra Flex Bullet camera is ideal for both interior and exterior applications that require a vandal and weather-resistant option. The Illustra Flex Bullet Camera comes complete with built-in IR illuminators for clear video images in extreme low light or zero illumination conditions providing crisp, clear video quality both day and night.

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
Video Compression	MJPEG, H.264, H.264 IntelliZip, H.265 and H.265 IntelliZip
Resolution	2048x1536/ 1920x1080/ 1664x936/ 1280x720/ 1024x576/ 640x480/ 640x360/ 480x360/ 384x288
Max. Framerate	H.265/H.264: Max. 60fps MJPEG: Max. 20fps
Smart Codec	IntelliZip
Imaging Device	1/2.8" 3.21MP CMOS
Effective Pixels	2065(H) x 1553(V)
Min. Illumination	Color: min 0.05 lux (1/30sec, 30IRE) BW: 0.005Lux
Focal Length	3.2 ~ 10mm
Max. Aperture Ratio	F1.6(W) ~F2.9(T) H: 94.7°(W)~29.34°(T) V: 68.7°(W)~22°(T) D: 125.21°(W)~36.45°(T)
Angular Field of View	
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
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	Line in, IO Cable (IA-CBL-IO-F30) required
Audio Out	Line out, IO Cable (IA-CBL-IO-F30) required
Micro USB	WiFi Installation Support via Illustra Mobile Toolkit

Video Intelligence Analytics	
Standard	Tampering, Defocus / Motion Detection
Tamper Detection	Scene Change
Blur Detection	Yes
Network	
Ethernet	RJ-45(10/100BASE-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
Storage	Micro SD/SDHC/SDXC 1slot 512GB
Application Programming Interface	iAPI-3
ONVIF-Compliant	Profile S
Memory	512MB RAM, 512MB Flash
Environmental	
Operating Temperature / Humidity	-40 °F (-40 °C) to 122 °F (50 °C) Up to 5 concurrent hours at 60°C / Less than 90% RH.
Storage Temperature / Humidity	-40°C ~ +55°C (-40°F ~ +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 14.0W PoE: Max 12.95W
Mechanical	
Color / Material	White / Aluminum
RAL Code	RAL9003
Product dimensions / weight	(∅) 91 x (L) 352.5 mm (3.58 x 13.88 in) with back box /1.75kg (3.86lbs)
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

