tyco | Illustra

Data Sheet

Pro Gen3
2MP, 3MP, 5MP, 8MP Bullet

Key Benefits

- Pole/pendant mount and arm included for mounting flexibility
- Easily accessible ports simplify installation
- Profile settings allow the bullet to adapt to scenarios such as license plate recognition, gaming, and more
- Ultra low light capabilities to maintain color image quality without IR
- Dual power failover maximizes camera uptime
- Improved accuracy for facial detection with updated library algorithms

Enriched Video Quality With Reduced Configuration Time

The Illustra Pro Gen3 Bullet maximizes video quality while minimizing installation costs and configuration time. Powerful integrated IR provides uninhibited images in total darkness up to 197ft away. Multiple mounting options featuring easily accessible cable ports simplify installation and ongoing maintenance. Building off the previous generation of cameras, the Pro Gen3 Bullet improves on important features such as Wide Dynamic Range, effective failover redundancy, cybersecurity, and Video Intelligence Analytics. Available in a range of resolutions and lens options, the Pro Gen3 Bullet can be added to a variety of deployments in both medium- and large-sized facilities.

Smart Technologies Simplify Setup

Smart Wide Dynamic Range available in the Pro Gen3 Bullet reduces configuration time while greatly improving the quality of the video stream in varying lighting environments. By effectively reading the scene, the Bullet can adjust contrasting and overall scene balance without operator intervention or maintenance. Setup times are also reduced with the addition of application profiles that automatically adjust the camera's settings based on the environment.

Johnson Controls

Transform Data at the Edge with Video Intelligence Analytics

Save resources when you offload analytic streaming from network video recorders to the edge on Illustra cameras. Video Intelligence Analytics provide real-time event alarms that allows for quick reaction to incidents and behaviors as they occur. 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.

Safeguard Against Cyber Attacks Across Devices

Illustra Pro IP cameras have been designed to be resilient against cyber-threats. This solution includes "secure boot" which ensures the camera will not start if software has been tampered with in any way. Additional safeguard controls include an enhanced security mode which forces the use of complex, non-default passwords and encrypted communications. 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.
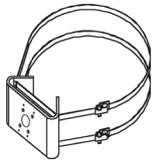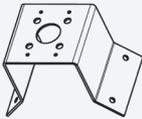
Specifications

Operational	2MP		3MP		5MP		8MP	
Video Compression	H.264 / H.265 / MJPEG / IntelliZip							
Max Frame Rate	2MP @ 60 fps		3MP @ 30 fps 2MP @ 60 fps		5MP @ 30 fps 2MP @ 60 fps		4K @ 30 fps 2MP @ 60 fps	
Resolution & Aspect Ratio	1920x1080 (1080p) 16:9 1664x936 (HD+) 16:9 1280x720 (720p) 16:9 1024x576 (PAL+) 16:9 960x544 (qHD) 16:9 816x464 16:9 640x360 (nHD) 16:9 480x272 16:9		2048x1536 4:3 1920x1080 (1080p) 16:9 1664x936 (HD+) 16:9 1280x960 4:3 1280x720 (720p) 16:9 800x600 (SVGA) 4:3 640x480 (VGA) 4:3 640x360 (nHD) 16:9 480x360 4:3 384x288 4:3		2592x1944 4:3 2560x1440 16:9 2048x1536 4:3 1920x1080 (1080p) 16:9 1664x936 (HD+) 16:9 1280x960 4:3 1280x720 (720p) 16:9 800x600 (SVGA) 16:9 640x480 (VGA) 4:3 640x360 (nHD) 16:9 480x360 4:3 384x288 4:3		3840x2160 (4K) 16:9 3264x1840 16:9 2688x1520 16:9 2560 x 1440 16:9 1920x1080 (1080p) 16:9 1664x936 (HD+) 16:9 1280x720 (720p) 16:9 1024x576 (PAL+) 16:9 960x544 (qHD) 16:9 816x464 16:9 640x360 (nHD) 16:9 480x272 16:9	
Video Streams	Quad Streaming							
Imager	Progressive Scan RGB 1/2.8" CMOS						Progressive Scan RGB 1/1.8" CMOS	
Image Orientation Settings	None, Mirror, Flip, Flip and Mirror, Corridor (rotate 90° right or left)							
Lens Type	Motorized Varifocal and Focus, P-Iris							
Focus Control	One-Touch Auto Focus or Remote Adjustment							
Focal Length	2.7-13.5mm	4.7-47mm	2.7-13.5mm	4.7-47mm	2.7-13.5mm	13-55mm	3.6-10mm	13-55mm
Field of View Wide (H/V) Field of View Telephoto (H/V)	112°/58° 35°/20°	62.2°/37° 6.6°/3.7°	100°/73° 32°/24°	58°/45° 6.5°/4.5°	103°/74° 33°/25°	25°/19° 6°/4.6°	95°/53° 49°/28°	33°/17° 8.4°/4.5°
Aperture	f/1.4 (W) f/2.8 (T)	f/1.6(w) f/3.0 (T)	f/1.4 (W) f/2.8 (T)	f/1.6(w) f/3.0 (T)	f/1.4 (W) f/2.8 (T)	f/1.7(w) f/2.1 (T)	f/1.5 (W) f/2.8 (T)	f/1.7(w) f/2.1 (T)

Minimum Illumination
   Color, 1/4s, 30 IRE, AGC
   B/W, 1/4s, 30 IRE, AGC
   w/ IR
	0.01 Lux
	0.0001 Lux
	0.0 Lux
		0.1 Lux
		0.0001 Lux
		0.0 Lux
			0.02 Lux
			0.0002 Lux
			0.0 Lux
				0.03 Lux
				0.0003 Lux
				0.0 Lux
					0.03 Lux
					0.0002 Lux
					0.0 Lux
						0.03 Lux
						0.0003 Lux
						0.0 Lux
							0.03 Lux
							0.0004 Lux
							0.0 Lux
								0.03 Lux
								0.0005 Lux
								0.0 Lux

IR Distance	Std lens: 197ft (60m)	Telephoto lens: 230ft (70m)			
Dynamic Range	True WDR 120 dB Technologies	True WDR 120 dB Technologies	True WDR 110 dB Technologies	True WDR 120 dB Technologies
Day/Night	True Day/Night			
Shutter Speed	1/4 - 1/10,000			
ONVIF-Compliant	Profile S			
Video Intelligence Analytics	Linger, exit, direction, abandoned/removed objects, queue, dwell, enter, object detection, crowd, perimeter			
Motion Detection Zones	3			
Face Detection	Yes			
Blur Detection	Yes			
Privacy Zones	9			
Alarms I/O	2-1			
Analog Video Output	1			
Audio	Bi-Directional Full-Duplex			
Simultaneous Users	10			
Languages	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, English (default), French, German, Hindi, Hungarian, Italian, Japanese, Korean, Netherlands, Polish, Portuguese, Spanish, Swedish, Turkish, Russian			

Network

Ethernet Interface	10/100/1000 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	IE 9 and above, Firefox, Safari, Chrome
Security	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

Onboard Storage

Card Support	micro SDXC up to 512GB
Pre-Alarm Recording	Yes
Recording Format	MP4 File Format
Recording Trigger	Video Intelligence, Dry Contact Alarms, Motion Detection, Face Detection
VideoEdge TrickleStor	Yes

Electrical

Power Input	Power over Ethernet+ (PoE+) IEEE 802.3at Class 4 (48V 0.38A); 24 VAC 1.27A 50/60Hz
Power Draw	PoE 18.2W, 24 VAC 30.5W

Physical

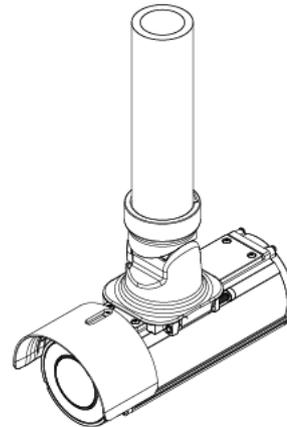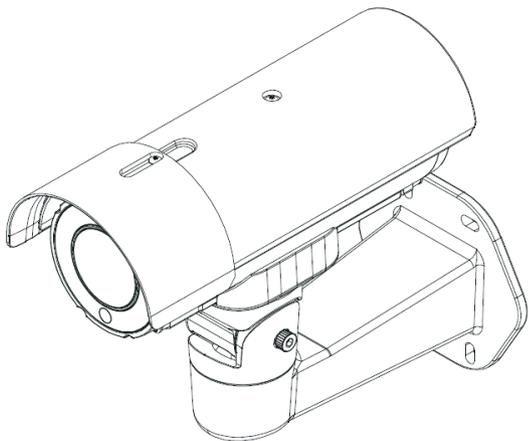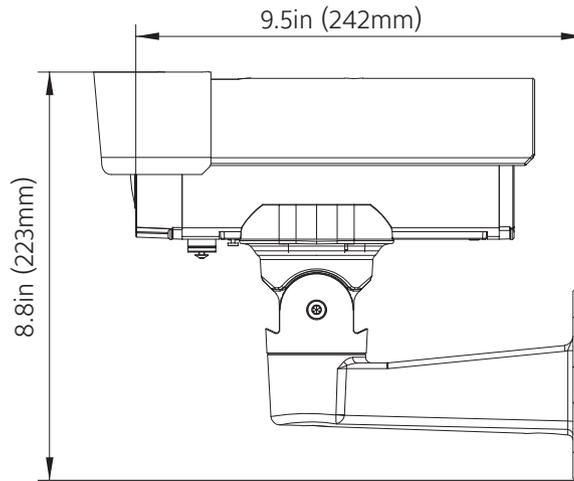|		
Dimensions (RxH)	Std lens: Ø3.15 x 8.07in (Ø79.9 x 205mm) Telephoto lens: Ø3.15 x 8.54in (Ø79.9 x 217mm)	Std lens: Ø3.15 x 8.07in (Ø79.9 x 205mm) Telephoto lens: Ø3.15 x 9.27in (Ø79.9 x 235.5mm)
Weight	Std lens: 4.3lb (1.9kg) Telephoto lens: 4.5lb (2kg)	Std lens: 4.3lb (1.9kg) Telephoto lens: 5lb (2.2kg)
Housing Color	Signal White - RAL 9003	
Operating Temperature	-50°F to 140°F (-58°C to 60°C)	
Humidity	Up to 90% non-condensing	
Vandal Resistant	IK10	
Outdoor Rating	IP67	
Plenum Rating	N/A	

Regulatory	
Safety	UL/IEC 60950-1, 62368-1, 60950-22; IEC 62471; UL Listed; CB Certified
Emissions	FCC CFR 47/15b Class A; EN55032 Class A
Immunity	EN50130-4
Enviornment	RoHS; Reach, WEEE, Waste packaging

Accessories

Accessory Type	Image	Model Number	Description	Dimensions	Color
Pole Mount Adapter		ADCDMPOLE	For use with Pendant Cap and Gooseneck Arm, or directly to the camera back plate.	Wraps around pole	RAL 9003 Signal White
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

Pro Gen3 Bullet

9.5in (242mm)

8.8in (223mm)

Ordering Information

Model	Description
IPS02-B12-OI03	Illustra Pro 2MP Bullet, 2.7–13.5mm, TDN w/IR, Indoor/Outdoor IP67, IK10, TDN w/IR, TWDR
IPS02-B15-OI03	Illustra Pro 2MP Bullet, 4.7–47mm, TDN w/IR, Indoor/Outdoor IP67, IK10, TDN w/IR, TWDR
IPS03-B12-OI03	Illustra Pro 3MP Bullet, 2.7–13.5mm, TDN, w/IR, Indoor/Outdoor IP67, IK10, TDN w/IR, TWDR
IPS03-B15-OI03	Illustra Pro 3MP Bullet, 4.7–47mm, TDN, w/IR, Indoor/Outdoor IP67, IK10, TDN w/IR, TWDR
IPS05-B12-OI03	Illustra Pro 5MP Bullet, 2.7–13.5mm, TDN w/IR, Indoor/Outdoor IP67, IK10, TDN w/IR, TWDR
IPS05-B16-OI03	Illustra Pro 5MP Bullet, 13–55mm, TDN w/IR, Indoor/Outdoor IP67, IK10, TDN w/IR, TWDR
IPS08-B13-OI03	Illustra Pro 8MP Bullet, 3.6–10mm, TDN, w/IR, Indoor/Outdoor IP67, IK10, TDN w/IR, TWDR
IPS08-B16-OI03	Illustra Pro 8MP Bullet, 13–55mm, TDN, w/IR, Indoor/Outdoor IP67, IK10, TDN w/IR, TWDR

Accessories

Model	Description
ADCDMPOLE	Pole adaptor, used with ADLOMARM / ADCBMARM
ADCDMCRNRO	Corner adaptor, outside corner, used with ADLOMARM / ADCBMARM

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.

For additional information, please visit www.illustracameras.com or follow Illustra on LinkedIn, Twitter, and Facebook.