



The Complete Illustra Camera Portfolio



Optimize Performance with
Expansive Video Surveillance Solutions

The Complete IP Camera Range

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Camera Solutions

Streamline Efficiency with Illustra Technologies

Illustra IP cameras include a range of technologies that allow security operators to track behavior, save storage costs, increase confidence in their surveillance infrastructure, and adapt to challenging lighting and viewing conditions. Video Intelligence Analytics feature 10 configurable alarms that can be utilized for obtaining valuable business data or mapping the traffic in an area. Illustra UltraVision, Wide Dynamic Range,

and True Day/Night all work to balance high-contrasting or low-light scenarios. Use Illustra IntelliZip when offsetting the bandwidth consumption of higher resolution cameras, and enhance failover redundancy with VideoEdge TrickleStor. Finally, view only the important areas of a scene with Corridor Mode, ideal for vertical applications such as hallways. Illustra technologies ensure your security personnel have a variety of reliable tools to save time and resources while maintaining control of any situation.



Illustra Video Intelligence Analytics

Focus Resources on Important Video Events

Illustra's powerful Video Intelligence Analytics automatically analyze captured video and alert users of specific motion detected activities and are available on the second and third generation of Illustra Pro mini-domes and bullet (Gen3 only). Illustra cameras create a cost-effective solution for onboard video analytics without the need for a dedicated analytics server.

Benefits of Video Analytics

- Automatically detect and notify security personnel of suspicious events
- Streamline security operations to see relevant video evidence immediately
- Minimize search time with configured video analytic alarms
- Save expenses and network load with intelligent analytics on the edge
- Choose from 10 analytic alarms including:
 - Object Detection
 - Object Abandoned
 - Object Removed
 - Direction
 - Linger
 - Dwell
 - Enter/Exit
 - Crowd
 - Queue
 - Perimeter
- Compatible with American Dynamics VideoEdge and exacqVision recorders for easy configuration

Ideal Security Applications

Illustra analytics are flexible and configurable for numerous real-time or forensic applications including increasing customer service levels, providing real-time insights into key performance indicators, notifying operators of objects moving the wrong way, entering into secure areas or package left unattended, crowds congregating, or individuals loitering.

Features in Action

Illustra IntelliZip

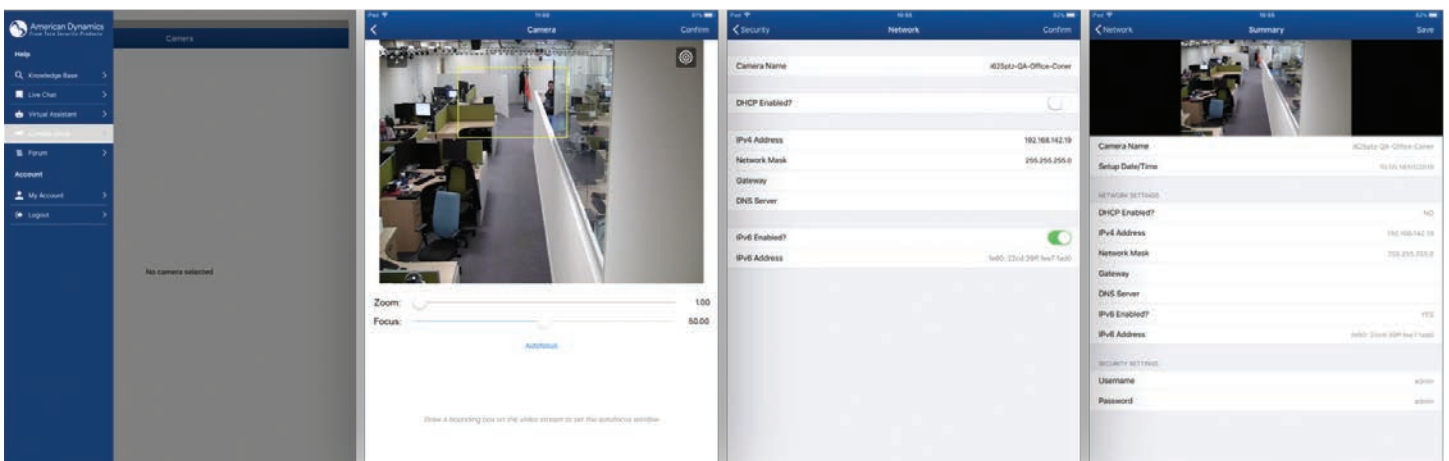
Illustra IntelliZip provides powerful bandwidth management beyond H.264 and H.265, reducing network bandwidth and video storage requirements. This embedded technology continuously monitors and optimizes system streaming parameters to match the level of activity within the camera's field of view. When the camera detects motion, IntelliZip automatically adjusts the video quality to ensure every detail within the region of interest is captured clearly. When the scene becomes static, IntelliZip continues to optimize bitrate.

VideoEdge TrickleStor

The VideoEdge TrickleStor feature on the Illustra Pro and Flex product lines allows video recording to continue on the camera when a network outage occurs. If communications between the NVR and cameras are interrupted or stopped, the camera automatically detects the anomaly and begins recording video to its SD card. With TrickleStor, once the network connections are restored, the recorded video is then transferred back to the NVR's hard drive for seamless viewing later.

Illustra Mobile Camera Configurator

For MasterTech certified installers, the Tyco Technical Support Portal application includes an Illustra Mobile Camera Configurator. While in the portal app, easily set up Illustra cameras on site by simply entering in the camera's IP address. Once the user sees the camera in the feature they can adjust the camera to its optimal settings, such as focus, zoom, and network security.



Screenshots from the Mobile Illustra Camera Configuration Tool.

Illustra UltraVision

Select Illustra cameras utilize a high-sensitivity, low-noise image sensor to offer industry leading low light performance in even the darkest of scenes, allowing them to maintain the crucial detail users need to identify key features of objects and people. The operator is also able to preserve valuable data that is contained in both bright and dark areas with 100dB True Wide Dynamic Range.

Wide Dynamic Range

Wide Dynamic Range (WDR) improves surveillance images in scenes with varying foreground and background illumination. When WDR is off, the image in the foreground is dark with features hidden by shadows due to the bright backlighting. When WDR is on, the lighting variation is minimized and the result is an image suitable for surveillance. The WDR feature of the Illustra cameras allows them to obtain useable video surveillance in any number of lighting situations. From a loading dock backlit by the sun to a hotel lobby with large glass windows, the cameras can still capture video surveillance for any security need.

Enhanced Cybersecurity

Illustra Flex and Pro IP cameras have been designed to be resilient against cyber-threats. This solution has a security overview page so that administrators can quickly determine if the proper levels or protection are applied. Safeguard controls include an enhanced security mode which forces the use of complex, non-default passwords and encrypted communications.

Illustra Pro and 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.



Pro

Pro

The Illustra Pro camera line is our premiere IP camera offering with resolutions from 2MP to 12MP and form factors of compact mini-dome, mini-dome, bullet, micro, fisheye, and PTZ. The Illustra Pro cameras feature advanced video intelligence analytics designed to augment the overall system while off-setting computing from the VMS. Select Pro cameras feature Smart Wide Dynamic Range, and Illustra technology that effectively reads the scene and adjusts overall scene balance without operator intervention. The Illustra Pro

cameras are ready for on-board video recording, and have a zero license cost when used with VideoEdge® NVRs. The Pro camera portfolio now features VideoEdge TrickleStor, a highly-integrated camera to NVR connectivity solution that protects against video loss. Additionally, the new “Secure Boot” cybersecurity feature available in the third generation of cameras ensures the camera will not boot if software has tampered with in any way.



Pro Gen3 Mini-Domes **NEW**

The Illustra Pro Gen3 Mini-Dome maximizes video quality while minimizing installation costs and configuration time. Integrated IR provides uninhibited images in total darkness by removing the bubble from the housing, reducing glare and increasing distance capabilities. Building off the previous generation of cameras, the Gen3 Mini-Dome improves on important features such as Wide Dynamic Range, effective failover redundancy, cybersecurity, and Video Intelligence Analytics.

- Available in 2MP, 3MP, 5MP, and 8MP resolution options
- Smart Wide Dynamic Range effectively reads the scene and adjusts overall scene balance without operator intervention
- Video Intelligence Analytics provide real-time alarms for quick reaction to incidents
- Profile settings allow the mini-dome to adapt to scenarios such as LPR, gaming, and more
- Improved accuracy for facial detection with updated library and algorithms
- Demo mode out of the box requires minimal adjustments
- "Secure Boot" ensures the camera will not boot if software has been tampered with in any way



Pro Gen3 Bullet **NEW**

The Illustra Pro Gen3 Bullet features powerful integrated IR that provides uninhibited images in total darkness up to 230ft (70m) away. Included pole/pendant and arm options as well as easily accessible cable ports simplify installation and ongoing maintenance. Building off the previous generation of cameras, the Gen3 Mini-Dome improves on important features such as Wide Dynamic Range, effective failover redundancy, cybersecurity, and Video Intelligence Analytics.

- Available in 3MP and 8MP resolution options
- Smart Wide Dynamic Range effectively reads the scene and adjusts overall scene balance without operator intervention
- Video Intelligence Analytics provide real-time alarms for quick reaction to incidents
- Profile settings allow the mini-dome to adapt to scenarios such as LPR, gaming, and more
- Improved accuracy for facial detection with updated library and algorithms
- Demo mode out of the box requires minimal adjustments
- "Secure Boot" ensures the camera will not boot if software has been tampered with in any way



Pro 2MP Micro

Ideal for applications where a low-profile, high-performance surveillance camera is required, the Illustra Pro Micro comes with a range of features for discrete installations. Both an 8in (203mm) and 6.5ft (2m) cable are included allowing for a variety of deployment options right out of the box. Wide Dynamic Range combined with the small size makes this product well-suited for applications such as ATMs, elevators, and entrances where backlighting can be a challenge. The camera is equipped with various viewing angles including corridor mode to ensure important details are captured without wasting the field of view.

- Low-profile design allows for discrete deployments
- ONVIF Profile S compliant for simplified video streaming integrations
- No additional licensing cost when adding to VideoEdge NVRs
- True Wide Dynamic Range to simultaneously view high contrast areas



Pro 2MP & 3MP Compact Mini-Domes

Illustra Pro 2MP and 3MP Compact Mini-Domes are ideal for applications where various viewing aspect ratio options, Wide Dynamic Range, enhanced IP network cybersecurity, and small form factor are important. These models are equipped with corridor mode which is optimal for hallways, aisles, or any area where a landscape format is not ideal.

- True Wide Dynamic Range to simultaneously view high contrast areas
- Corridor Mode for vertical field of view orientation to view hallways or store aisles
- Rated IP67 and IK10 for weather and vandal resistance
- ONVIF Profile S compliant for simplified video streaming integrations



Pro Gen2 2MP, 3MP & 5MP Mini-Domes

Offering exceptional performance in various lighting situations ranging from full sun to blackout conditions, the Illustra Pro Mini-Domes are ideal for detecting must-see details such as numbers on license plates, faces, and even blurred objects and capturing them at full frame rates.

- True Wide Dynamic Range to simultaneously view high contrast areas
- Triple video streaming to maximize transcoding resources
- Video Intelligence Analytics
- Rated IP66 and IK10 for weather and vandal resistance



Pro LT 2MP Bullet

The LT Bullet camera consistently delivers crisp image quality in a variety of lighting environments with features such as True Day/Night, Wide Dynamic Range, and integrated IR illuminators.

- Remote one-touch auto focus and zoom control integration eliminating the need for physical camera access
- True Day/Night functionality for quality video recording in low light conditions
- True Wide Dynamic Range to simultaneously view high contrast areas
- Corridor mode captures video in narrow vertical field of views such as hallways
- Integrated IR illumination brightens dark scenes for nighttime viewing
- ONVIF Profile S compliant for simplified video streaming integrations
- Power over Ethernet



Pro 5MP Fisheye LT

The sleek, discreet design of the Illustra Pro 5MP Fisheye LT allows it to blend into any environment for inconspicuous surveillance. Ideal for applications such as retail stores, expansive indoor parking areas, casinos, building lobbies, elevators, corridor intersections, and university lecture halls, the 5MP Fisheye LT enhances situational awareness with a 360° bird's eye view from the ceiling.

- Wall and ceiling mounting and configuration respectively
- ePTZ capabilities for ultra-smooth pan, tilt, and zoom
- Onboard SD card recording and storage
- Quick, easy installation and configuration
- ONVIF Profile S compliant for simplified video streaming integrations
- Power over Ethernet



Pro 12MP Fisheye

The Illustra Pro 12MP Fisheye camera provides a 180° panoramic view when mounted on a wall, or a 360° bird's eye view when mounted on a ceiling and supports both indoor and outdoor deployments. The camera is ideal for applications where situational surveillance, including subject traffic flow, covering a wide area can be achieved using a single camera. The camera's integrated IR illuminators provide high-quality video up to 49ft (15m) in even the worst lighting conditions.

- 12MP imager for super high quality images; 9MP fisheye / 4MP de-warped
- 180°/360° panoramic views of wide areas
- Single or multiple fixed views for forensic investigations
- Onboard de-warping for distortion-free images
- ePTZ capabilities for ultra-smooth transition between pan, tilt, and zoom
- Pre-focused at the factory for quick and easy installations
- Rated IP66 and IK10 for weather and vandal resistance
- ONVIF profile S, G, and Q compliant



Pro PTZ Camera

The exceptional speed of the Illustra Pro PTZ 30x dome coupled with ultra-low latency performance gives security personnel the ability to accurately track and zoom on subjects in mission-critical applications. The camera employs zoom-adjusted programming technology to automatically control the pan and tilt speed in proportion to the amount of zoom used, delivering precise pan and tilt control.

- Powerful 30x optical zoom and 12x digital zoom
- Highly accurate return-to-position with exceptional gearing and braking designs
- Automatically view high definition video from scene-to-scene with programmed presets and tours
- Camera moves into position at 512 degrees per second, delivering 835 pixels per degree needed for minimal loss of surveillance
- Produces clear video in the most complex environments with auto defog and frame noise reduction
- Intelligent Guard Tour feature using embedded video intelligence to automatically track, zoom in, and record events or suspicious activity
- Quickly identify subjects and suspicious activity at distances of up to ~1000 ft (300m) from the camera



PRO CAMERA GUIDE

		Pro Compact 2MP Mini-Dome	Pro Compact 3MP Mini-Dome	Pro Gen3 2MP Mini-Domes 2.7-13.5mm	Pro Gen3 2MP Mini-Domes 7-22mm
					
Max Frame Rate/Stream		60ips @ 2MP	60ips @ 2MP	60ips @ 2MP	60ips @ 2MP
Max Resolution		1920x1080 (1080p) 16:9	2048x1536 4:3	1920x1080 (1080p) 16:9	1920x1080 (1080p) 16:9
CODEC		MJPEG/H.264/H.265	MJPEG/H.264/H.265	MJPEG/H.264/H.265	MJPEG/H.264/H.265
Illustra IntelliZip		Yes	Yes	Yes	Yes
Video Streams		Triple	Triple	Quad	Quad
Imager		1/2.8"	1/2.8"	1/2.8"	1/2.8"
Analog Video Output		No	No	Yes	Yes
Day/Night		Soft Day/Night	Soft Day/Night	True Day/Night	True Day/Night
Minimum Illumination Lux	Color	0.01 Lux	0.01 Lux	0.01 Lux	0.02 Lux
	B/W	N/A	N/A	0.0001 Lux	0.0002 Lux
	IR	N/A	N/A	0.0 Lux	0.0 Lux
IR Illuminator Range		N/A	N/A	130 ft	130 ft
Focal Length		2.8mm	2.8mm	2.7-13.5mm	7-22mm
Field of View (H/V)	WA	102°/77°	102°/77°	112°/58°	40°/21°
	TP			35°/20°	18°/10°
Corridor Mode		Yes	Yes	Yes	Yes
Auto Focus / Motorized Zoom		Fixed	Fixed	Yes	Yes
Onboard Analytics		Motion Detection (3) Privacy Zones (9) Blur Detection	Motion Detection (3) Privacy Zones (9) Blur Detection	Video Intelligence Motion Detection (3) Face Detection Privacy Zones (9) Blur Detection	Video Intelligence Motion Detection (3) Face Detection Privacy Zones (9) Blur Detection
Audio Input/Output		No	No	Yes	Yes
Alarm Input/Output		No	No	1/1	1/1
Wide Dynamic Range		120dB	120dB	120dB	120dB
Onboard Storage (SD Card)		microSDXC 128GB	microSDXC 128GB	microSDXC up to 256GB	microSDXC up to 256GB
VideoEdge TrickleStor		Yes	Yes	Yes	Yes
Power Input		PoE IEEE 802.3af Class 2	PoE IEEE 802.3af Class 2	PoE IEEE 802.3af/802.3at, Type 1 Class 3; 24 VAC	PoE IEEE 802.3af/802.3at, Type 1 Class 3; 24 VAC
Power Draw		6W	6W	PoE 12.95W, 24 VAC 16.5W	PoE 12.95W, 24 VAC 16.5W
Operating Temperature		-40°F to 122°F	-40°F to 122°F	-58° to +140°F	-58° to +140°F
Dimensions		4.3 x 2in	4.3 x 2in	Ø5.4 x 5.4in	Ø5.4 x 5.4in
Outdoor Rating		IP66/IP67	IP66/IP67	IP67	IP67
Vandal Resistant		IK10	IK10	IK10	IK10
Model Numbers		IPS02CFOCWST	IPS03CFOCWST	IPS02-D12-OI03	IPS02-D17-OI03

PRO CAMERA GUIDE

		Pro Gen3 3MP Mini-Domes 2.7-13mm	Pro Gen3 3MP Mini-Domes 7-22mm	Pro Gen3 5MP Mini-Domes 2.7-13.5mm	Pro Gen3 5MP Mini-Domes 6-22mm
					
Max Frame Rate/Stream		60ips @ 2MP	60ips @ 2MP	60ips @ 2MP	60ips @ 2MP
Max Resolution		2048x1536 4:3	2048x1536 4:3	2592x1944 4:3	2592x1944 4:3
CODEC		MJPEG/H.264/H.265	MJPEG/H.264/H.265	MJPEG/H.264/H.265	MJPEG/H.264/H.265
Illustra IntelliZip		Yes	Yes	Yes	Yes
Video Streams		Quad	Quad	Quad	Quad
Imager		1/2.8"	1/2.8"	1/2.8"	1/2.8"
Analog Video Output		Yes	Yes	Yes	Yes
Day/Night		True Day/Night	True Day/Night	True Day/Night	True Day/Night
Minimum Illumination Lux	Color	0.02 Lux	0.03 Lux	0.03 Lux	0.02 Lux
	B/W	0.0002 Lux	0.0003 Lux	0.0002 Lux	0.0002 Lux
	IR	0.0 Lux	0.0 Lux	0.0 Lux	0.0 Lux
IR Illuminator Range		130 ft	130 ft	130 ft	130 ft
Focal Length		2.7-13.5mm	7-22mm	2.7-13.5mm	6-22mm
Field of View (H/V)	WA	100°/73°	36°/26°	103°/74°	40°/30°
	TP	32°/24°	16°/12°	33°/25°	18°/13°
Corridor Mode		Yes	Yes	Yes	Yes
Auto Focus / Motorized Zoom		Yes	Yes	Yes	Yes
Onboard Analytics		Video Intelligence Motion Detection (3) Face Detection Privacy Zones (9) Blur Detection	Video Intelligence Motion Detection (3) Face Detection Privacy Zones (9) Blur Detection	Video Intelligence Motion Detection (3) Face Detection Privacy Zones (9) Blur Detection	Video Intelligence Motion Detection (3) Face Detection Privacy Zones (9) Blur Detection
Audio Input/Output		Yes	Yes	Yes	Yes
Alarm Input/Output		1/1	1/1	1/1	1/1
Wide Dynamic Range		120dB	120dB	110dB	110dB
Onboard Storage (SD Card)		microSDXC up to 256GB	microSDXC up to 256GB	microSDXC up to 256GB	microSDXC up to 256GB
VideoEdge TrickleStor		Yes	Yes	Yes	Yes
Power Input		PoE IEEE 802.3af/802.3at, Type 1 Class 3; 24 VAC	PoE IEEE 802.3af/802.3at, Type 1 Class 3; 24 VAC	PoE IEEE 802.3af/802.3at, Type 1 Class 3; 24 VAC	PoE IEEE 802.3af/802.3at, Type 1 Class 3; 24 VAC
Power Draw		PoE 12.95W, 24 VAC 16.5W	PoE 12.95W, 24 VAC 16.5W	PoE 12.95W, 24 VAC 16.5W	PoE 12.95W, 24 VAC 16.5W
Operating Temperature		-58° to +140°F	-58° to +140°F	-58° to +140°F	-58° to +140°F
Dimensions		Ø5.4 x 5.4in	Ø5.4 x 5.4in	Ø5.4 x 5.4in	Ø5.4 x 5.4in
Outdoor Rating		IP67	IP67	IP67	IP67
Vandal Resistant		IK10	IK10	IK10	IK10
Model Numbers		IPS03-D12-OI03	IPS03-D17-OI03	IPS05-D12-OI03	IPS05-D14-OI03

PRO CAMERA GUIDE

Pro Gen3 8MP Mini-Domes 3.6-10mm		Pro Gen3 8MP Mini-Domes 6-22mm		Pro 2MP 3-9mm Mini-Dome		Pro 3MP 3-9mm Mini-Dome	
							
Max Frame Rate/Stream		60ips @ 2MP		60ips @ 2MP		30ips @ 2MP	
Max Resolution		3840x2160 (4K) 16:9		3840x2160 (4K) 16:9		1080p	
CODEC		MJPEG/H.264/H.265		MJPEG/H.264		MJPEG/H.264	
Illustra IntelliZip		Yes		Yes		No	
Video Streams		Quad		Quad		Triple	
Imager		1/1.8"		1/1.8"		1/2.8"	
Analog Video Output		Yes		Yes		Yes	
Day/Night		True Day/Night		True Day/Night		True Day/Night	
Minimum Illumination Lux	Color	0.03 Lux		0.02 Lux		0.03 Lux	
	B/W	0.0004 Lux		0.0005 Lux		0.001 Lux	
	IR	0.0 Lux		0.0 Lux		0.0 Lux	
IR Illuminator Range		130 ft		130 ft		65 ft	
Focal Length		3.6-10mm		6-22mm		3-9mm	
Field of View (H/V)	WA	95°/53°		50°/28°		105°/57°	
	TP	49°/28°		24°/14°		36°/20°	
Corridor Mode		Yes		Yes		Yes	
Auto Focus / Motorized Zoom		Yes		Yes		Yes	
Onboard Analytics		Video Intelligence Motion Detection (3) Face Detection Privacy Zones (9) Blur Detection		Video Intelligence Motion Detection (3) Face Detection Privacy Zones (9) Blur Detection		Video Intelligence Motion Detection Face Detection Privacy Zones (4) Blur Detection	
Audio Input/Output		Yes		Yes		Yes	
Alarm Input/Output		1/1		1/1		2/1	
Wide Dynamic Range		110dB		110dB		100dB	
Onboard Storage (SD Card)		microSDXC up to 256GB		microSDXC up to 256GB		SDXC 128GB	
VideoEdge TrickleStor		Yes		Yes		Yes	
Power Input		PoE IEEE 802.3af/802.3at, Type 1 Class 3; 24 VAC		PoE IEEE 802.3af/802.3at, Type 1 Class 3; 24 VAC		AC24V, IEEE802.3af Class 3 PoE	
Power Draw		PoE 12.95W, 24 VAC 16.5W		"PoE 12.95W, 24 VAC 16.5W"		12.95W	
Operating Temperature		-58° to +140°F		-58° to +140°F		Indoor: 14°F to 122°F Outdoor: -22°F to 122°F 24VAC: -40°F to 122°F Extended: 140°F 4hrs/day	
Dimensions		Ø5.4 x 5.4in		Ø5.4 x 5.4in		Indoor: 5.4 x 5.1in Outdoor: 6.3 x 5.3in	
Outdoor Rating		IP67		IP67		IP66 (Outdoor)	
Vandal Resistant		IK10		IK10		IK10	
Model Numbers		IPS08-D13-OI03		IPS08-D14-OI03		IPS02D2xxxxxxx	
						IPS03D2xxxxxxx	

PRO CAMERA GUIDE

		Pro 5MP 3-9mm Mini-Dome	Pro Gen3 3MP Bullet	Pro Gen3 8MP Bullet
				
Max Frame Rate/Stream		15ips @ 5MP	30ips @ 3MP	30ips @ 8MP
Max Resolution		2592x1944 4:3	2048x1536 4:3	3840x2160 (4K) 16:9
CODEC		MJPEG/H.264	MJPEG/H.264/H.265	MJPEG/H.264/H.265
Illustra IntelliZip		No	Yes	Yes
Video Streams		Triple	Quad	Quad
Imager		1/3.2"	1/2.7"	1/1.8"
Analog Video Output		Yes	Installation Only	Installation Only
Day/Night		True Day/Night	True Day/Night	True Day/Night
Minimum Illumination Lux	Color	0.3 Lux	0.02 Lux	0.03 Lux
	B/W	0.02 Lux	0.0002 Lux	0.0004 Lux
	IR	0.0 Lux	0.0 Lux	0.0 Lux
IR Illuminator Range		65 ft	130 ft	130 ft
Focal Length		3-9mm	2.7-13.5mm	3.6-10mm
Field of View (H/V)	WA	88°/64°	100°/73°	95°/53°
	TP	30°/22°	32°/24°	49°/28°
Corridor Mode		No	Yes	Yes
Auto Focus / Motorized Zoom		Yes	Yes	Yes
Onboard Analytics		Video Intelligence Motion Detection Face Detection Privacy Zones (4) Blur Detection	Video Intelligence Motion Detection (3) Face Detection Privacy Zones (9) Blur Detection	Video Intelligence Motion Detection (3) Face Detection Privacy Zones (9) Blur Detection
Audio Input/Output		1/1	Yes	Yes
Alarm Input/Output		2/1	1/1	1/1
Wide Dynamic Range		90dB	120dB	110dB
Onboard Storage (SD Card)		SDXC 128 GB	microSDXC up to 256GB	microSDXC up to 256GB
VideoEdge TrickleStor		Yes	Yes	Yes
Power Input		AC24V, IEEE802.3af Class 3 PoE	PoE IEEE 802.3at Type 1 Class 4; 24 VAC	PoE IEEE 802.3at Type 1 Class 4; 24 VAC
Power Draw		12.95W	PoE 20W, 24 VAC 18W	PoE 20W, 24 VAC 18W
Operating Temperature		Indoor: 14°F to 122°F Outdoor: -22°F to 122°F 24VAC: -40°F to 122°F	-50° to +140°F	-50° to +140°F
Dimensions		Indoor: 5.4 x 5.1in Outdoor: 6.3 x 5.3in	Ø3.15 x 8.07in	Ø3.15 x 8.07in
Outdoor Rating		IP66 (Outdoor)	IP67	IP67
Vandal Resistant		IK10	IK10	IK10
Model Numbers		IPS05D2xxxxxx	IPS03-B12-OI03	IPS08-B13-OI03

PRO CAMERA GUIDE

		Pro LT 2MP Bullet	Pro 5MP Fisheye LT	Pro 12MP Fisheye	Pro 2MP Micro
					
Max Frame Rate/Stream		30ips @ 2MP	14ips @ 1936x1936	20ips @ 2MP	60ips @ 2MP
Max Resolution		1080p	1936x1936	2992x2992	1920 x 1080 (1080p) 16:9
CODEC		MJPEG/H.264	MJPEG/H.264	MJPEG/H.264	H.264 / H.265 / IntelliZip / MJPEG
IntelliZip		No	No	No	Yes
Video Streams		Dual	Triple	Triple	Triple
Imager		1/2.9"	1/2.5"	1/1.7"	1/2.8"
Analog Video Output		N/A	N/A	N/A	N/A
Day/Night		True Day/Night	Color only	Color only	Soft Day/Night
Minimum Illumination Lux	Color	0.7 Lux	1.2 lux	0.1 lux	0.01 Lux
	B/W	0.65 Lux	N/A	0.01 lux	
	IR	0.0 Lux	N/A	0.0 lux	
IR Illuminator Range		114 ft	N/A	49 ft	N/A
Lens Type		2.8-12mm	Manual	Manual	2.8mm
Field of View (H/V)	WA	99° / 56°	When wall mounted 183°	180° / 180°	116°/65°
	TP	34° / 20°			
Corridor Mode		Yes	No	No	
Auto Focus / Motorized Zoom		No	Manual Tune	N/A	Yes
Onboard Analytics		Motion Detection Privacy Zones (4)	Motion Detection Privacy Zones (4)	Motion Detection (5) Privacy Zones (4)	Motion Detection Privacy Zones Blur Detection
Audio Input/Output		N/A	N/A	Yes	1/1
Alarm Input/Output		1/1	N/A	1/1	1/1
Wide Dynamic Range		68dB	82dB	Yes	100 dB
Onboard Storage (SD Card)		microSDXC 64 GB	microSDXC 32 GB	microSDXC 64 GB	microSDXC up to 128GB
VideoEdge TrickleStor		No	No	No	Yes
Power Input		12V DC, PoE 802.3af	PoE 802.3af, Class 3	PoE IEEE 802.3af, DC12V	IEEE 802.3af/802.3at Class 3 PoE
Power Draw		7.6W (PoE) 1.0A (DC12V)	12.95W	7.1W PoE, 8.1W DC12V	8.5W
Operating Temperature		-4°F to 122°F	14°F to 113°F	-22°F to 122°F	14°F - 104°F
Dimensions		3.5 x 3.4 x 11.4in	Vandal Resistant: Ø5.9 x 2.9in Non-Vandal Resistant: Ø5.9 x 2.4in	4.6 in x 1.68in	Camera Head: Ø 2.4 x 1.7in Electronics Box: 3 x 1.5 x 1.5in
Outdoor Rating		IP66	N/A	IP66	No
Vandal Resistant		IK10	IK10	IK10	No
Model Numbers		IPLO2B1BNWIY	ADCi825LT-F311 ADCi825LT-F312	IPS12FFOCWIYA	IPS02HFANWST2

PRO CAMERA GUIDE

Pro PTZ Indoor



Pro PTZ Outdoor



Min. Illumination (Lux)	0.4 Lux color 0.04 Lux B/W	0.4 Lux color 0.04 Lux B/W
Lens - Optical Zoom	30x	30x
Wide Angle (FoV)	63° / 37°	63° / 37°
Telephoto (FoV)	2.3° / 1.3°	2.3° / 1.3°
Max. Video Resolution	1080p	1080p
Max. Frame Rate	30ips @ 1080p	30ips @ 1080p
Manual Pan/Tilt Speed	0.25°-100° per second (based on zoom manual position)	0.25°-100° per second (based on zoom manual position)
Preset Pan/Tilt Speed	512° per second, max. (Pan)	512° per second, max. (Pan)
Pan Travel	360° continuous	360° continuous
Tilt Travel	105°	105°
Presets	96	96
Onboard Analytics	Motion Detection Privacy Zones (32) Intelligent Guard Tour	Motion Detection Privacy Zones (32) Intelligent Guard Tour
Power	24 VAC and PoE+ 802.3at, Class 4	24V AC
Inputs	4	4
Outputs	1	1
Audio	PCM. G711A. G711U	PCM. G711A. G711U
Model Numbers	IPS02P6ANBTT IPPO2P6ANBTT	IPS02P6OCWTT IPS02P6BCWTT IPS02P6OSWTT IPS02P6BSWTT IPPO2P6OCWTT IPPO2P6BCWTT IPPO2P6OSWTT IPPO2P6BSWTT

Flex

Flex

With a variety of affordable form factors, the Flex product line includes features such as 120dB Wide Dynamic Range to maintain image detail in varying light conditions, motion detection for intruder alerts, and 3D noise reduction. Next generation high-resolution mini-domes, compact mini-dome, bullet, and box cameras feature Illustra IntelliZip, which provides intelligent bandwidth management to reduce video

storage space without compromising quality. These cameras can be strategically placed to blend into a range of interior and exterior locations including a recessed mounting option for the mini-dome cameras.



Flex 3MP & 8MP Mini-Domes

The Flex Mini-Domes are available in 3MP and 8MP resolutions to meet a variety of installation requirements. The versatile 3MP model is a True Day/Night camera that can efficiently manage bandwidth resources while streaming high-quality video. The increased amount of pixels per foot in the 4K form factor make them ideal for installation in wide areas such as loading docks and airport terminals.

- True Day/Night functionality for quality video recording in low light conditions
- True Wide Dynamic Range to simultaneously view high contrast areas
- P-Iris for image clarity in changing light conditions
- Motion detection for instant alerts of intruders
- Rated IP67 and IK10 for weather and vandal resistance
- Recessed mounting option for versatile installations
- ONVIF Profile S compliant for simplified video streaming integrations



Flex 3MP & 8MP Bullet

Featuring a tough exterior, the Illustra Flex Bullet is ideal for exterior applications or harsh environments. With a sleek IP67 rating to protect against dust and water damage, this camera is perfect for areas where it is exposed to the elements.

- True Day/Night functionality for quality video recording in low light conditions
- True Wide Dynamic Range to simultaneously view high contrast
- P-Iris for image clarity in changing light conditions
- Motion detection for instant alerts
- IR illuminators for clear images in low light conditions
- ONVIF Profile S compliant for simplified video streaming integrations



Flex

Flex 3MP & 8MP Box

The Flex Box camera is available in 3MP and 8MP resolutions, and is best suited for a variety of indoor, commercial environments looking for a cost effective option. The 3MP form factor is ideal for small to medium sized businesses while the 4K version is the high-resolution, high-performance option that avoids unwanted attention.

- True Wide Dynamic Range to simultaneously view high contrast areas
- P-Iris for image clarity in changing light conditions
- True Day/Night functionality for quality video recording in low light conditions
- ONVIF Profile S compliant for simplified video streaming integrations



Flex IR PTZ

With its 30x optical and 12x digital magnification, the IR PTZ is capable of effectively managing video quality at a distance of up to 1,000ft (305m). Powerful IR LEDs on the outdoor model allow for a night scene illumination of up to 490ft (149m). Packaged in a bubble-free, environmentally sealed, and vandal-resistant design, the Flex IR PTZ maximizes video quality at any tilt angle.

- 2MP resolution for HD quality images
- True Day/Night functionality for quality video recording in low light conditions
- True Wide Dynamic Range balances challenging lighting conditions
- IR illumination for clear images in low light conditions on indoor and outdoor models
- Motion detection instantly alerts operators to intruders
- ONVIF Profile S compliant for simplified video streaming integrations



Flex 3MP Compact Mini-Dome

The Flex Compact Mini-Dome provides crisp and clear high-definition video at 3MP resolution and is ideal for applications such as retail stores, commercial buildings, healthcare facilities, and banks where discretion is important.

- True Wide Dynamic Range to simultaneously view high contrast
- Motion detection for instant alerts of intruders
- Rated IP67 and IK10 for weather and vandal resistance
- ONVIF Profile S compliant for simplified video streaming integrations





FLEX CAMERA GUIDE

		Flex 8MP Indoor Mini-Dome	Flex 8MP Outdoor Mini-Dome	Flex 3MP Indoor Mini-Dome	Flex 3MP Outdoor Mini-Dome
					
Max Frame Rate/Stream		60ips @ 2MP	60ips @ 2MP	60ips @ 2MP	60ips @ 2MP
Max Resolution		3840x2160 16:9	3840x2160 16:9	2048x1536 4:3	2048x1536 4:3
CODEC		MJPEG/H.264/H.265	MJPEG/H.264/H.265	MJPEG/H.264/H.265	MJPEG/H.264/H.265
Illustra IntelliZip		Yes	Yes	Yes	Yes
Video Streams		Triple	Triple	Triple	Triple
Imager		1/2.5"	1/2.5"	1/2.8"	1/2.8"
Analog Video Output		Yes	Yes	Yes	Yes
Day/Night		True Day/Night	True Day/Night	True Day/Night	True Day/Night
Minimum Illumination Lux	Color	0.03 Lux	0.03 Lux	0.03 Lux	0.03 lux
	B/W	0.0003 Lux	0.0003 Lux	0.001 Lux	0.001 lux
	IR	0.0 Lux	0.0 Lux	N/A	0.0 lux
IR Illuminator Range		N/A	82 ft	N/A	82 ft
Focal Length		3.4-9mm	3.4-9mm	2.8-12mm	2.8-12mm
Field of View (H/V)	WA	104°/56°	104°/56°	98°/71°	98°/71°
	TP	42°/24°	42°/24°	35°/26°	35°/26°
Auto Focus / Motorized Zoom		Motorized Varifocal/Focus P-iris control	Motorized Varifocal/Focus P-iris control	Motorized Varifocal/Focus P-iris control	Motorized Varifocal/Focus P-iris control
Onboard Analytics		Motion Detection (3) Privacy Zones (9) Blur Detection	Motion Detection (3) Privacy Zones (9) Blur Detection	Motion Detection (3) Privacy Zones (9) Blur Detection	Motion Detection (3) Privacy Zones (9) Blur Detection
VideoEdge TrickleStor		Yes	Yes	Yes	Yes
Audio Input/Output		Yes	Yes	Yes	Yes
Alarm Input/Output		1/1	1/1	1/1	1/1
Wide Dynamic Range		100dB	100dB	120dB	120dB
Onboard Storage (SD Card)		microSDXC 128GB	microSDXC 128GB	microSDXC 128GB	microSDXC 128GB
Power Input		24VAC, PoE IEEE 802.3af Class 2	24VAC, PoE IEEE 802.3af Class 3	24VAC, PoE IEEE 802.3af Class 2	24VAC, PoE IEEE 802.3af Class 3
Power Draw		6W	12W	6W	12W
Operating Temperature		-4°F to 122°F	-22°F to 122°F Extended: 140°F 4hrs/day	-4°F to 122°F	-22°F to 122°F Extended: 140°F 4hrs/day
Dimensions		4.8 x 4.2in	4.8 x 4.2in	4.8 x 4.2in	4.8 x 4.2in
Outdoor Rating		IP67	IP67	No	IP67
Vandal Resistant		IK10	IK10	IK10	IK10
Model Numbers		IFS08D2ICWTT	IFS08D2OCWIT	IFS03D1ICWTT	IFS03D1OCWIT

FLEX CAMERA GUIDE

		Flex 3MP Compact Mini-Dome	Flex 8MP Bullet	Flex 3MP Bullet
				
Max Frame Rate/Stream		60ips @ 2MP	60ips @ 2MP	60ips @ 2MP
Max Resolution		2048x1536 4:3	3840x2160 16:9	2048x1536 4:3
CODEC		MJPEG/H.264/H.265	MJPEG/H.264/H.265	MJPEG/H.264/H.265
Illustra IntelliZip		Yes	Yes	Yes
Video Streams		Triple	Triple	Triple
Imager		1/2.8"	1/2.5"	1/2.8"
Analogue Video Output		No	Yes	Yes
Day/Night		Soft Day/Night	True Day/Night	True Day/Night
Minimum Illumination Lux	Color	0.01 Lux	0.03 Lux	0.03 Lux
	B/W	N/A	0.0003 Lux	0.001 Lux
	IR	N/A	N/A	0.0 Lux
IR Illuminator Range		N/A	N/A	82 ft
Focal Length		2.8mm	3.4-9mm	2.8-12mm
Field of View (H/V)	WA	102°/77°	104°/56°	98°/71°
	TP	N/A	42°/24°	35°/26°
Auto Focus / Motorized Zoom		Fixed	Motorized Varifocal / Focus P-iris Control	Motorized Varifocal / Focus P-iris Control
Onboard Analytics		Motion Detection (3) Privacy Zones (9) Blur Detection	Motion Detection (3) Privacy Zones (9) Blur Detection	Motion Detection (3) Privacy Zones (9) Blur Detection
VideoEdge TrickleStor		Yes	Yes	Yes
Audio Input/Output		No	Yes	Yes
Alarm Input/Output		N/A	1/1	1/1
Wide Dynamic Range		120dB	100dB	120dB
Onboard Storage (SD Card)		microSDXC 128GB	Micro SDXC Slot Up to 128GB	microSDXC 128GB
Power Input		PoE IEEE 802.3af Class 2	PoE IEEE 802.2af Class 3, 24VAC	PoE IEEE 802.2af Class 3, 24VAC
Power Draw		6W	15W	15W
Operating Temperature		-40°F to 122°F	-40°F to 122°F	-40°F to 122°F
Dimensions		4.3 x 2.0in	Ø3.05 x 9.25in	2.8 x 8.0in
Outdoor Rating		IP67	IP68	IP68
Vandal Resistant		IK10	IK10	IK10
Model Numbers		IFS03CFOCWST	IFS08B2ONWITA	IFS03B1BNWIT

FLEX CAMERA GUIDE

		Flex 8MP Box	Flex 3MP Box			Flex IR PTZ Indoor	Flex IR PTZ Outdoor
							
Max Frame Rate/Stream		60ips @ 2MP	60ips @ 2MP	Min. Illumination Lux		0.2 Lux at 1/30s; 0.03 Lux at 1/4s color 0.001 Lux at 1/4s B/W 0.0 Lux with IR	0.2 Lux at 1/30s; 0.03 Lux at 1/4s color 0.001 Lux at 1/4s B/W 0.0 Lux with IR
Max Resolution		3840x2160 16:9	2048x1536 4:3	Lens - Optical Zoom		Optical - 30x, Digital 12x	Optical - 30x, Digital 12x
CODEC		MJPEG/H.264/H.265	MJPEG/H.264/H.265	Adaptive IR		Yes	Yes
Illustra IntelliZip		Yes	Yes	IR Distance		82ft	492ft
Video Streams		Triple	Triple	Wide Angle (FoV)		56°/45°	56°/45°
Imager		1/2.5"	1/2.8"	Telephoto (FoV)		2.1°/1.6°	2.1°/1.6°
Analog Video Output		Yes	Yes	Max. Video Resolution		1080p	1080p
Day/Night	Color	True Day/Night	True Day/Night	Max. Frame Rate		60ips @ 2MP	6:44:00 PM
	B/W	0.03 Lux	0.03 Lux	Manual Pan/Tilt Speed		0.1° ~ 90°/s	0.1° ~ 90°/s
	IR	0.0003 Lux	0.001 Lux	Preset Pan/Tilt Speed		Pan Speed: 0.1°/s ~ 240°/s Tilt Speed: 0.1° ~ 160°/s	Pan Speed: 0.1°/s ~ 240°/s Tilt Speed: 0.1° ~ 160°/s
IR Illuminator Range		N/A	N/A	Pan Travel		360° continuous	360° continuous
Focal Length		3.4-10mm (LIRC3410PCS)	3-10.5mm (LIRC3105PCS)	Tilt Travel		-15° ~ +90°	-15° ~ +90°
Field of View (H/V)	WA	N/A	N/A	Patterns		17	17
	TP	N/A	N/A	Onboard Analytics		Motion Detection Privacy Zones (8) Blur Detection	Motion Detection Privacy Zones (8) Blur Detection
Auto Focus / Motorized Zoom		P-Iris Control	Manual Varifocal	Power		PoE+ 802.3at Class 4, 24VAC	UPoE 802.3bt Class 6, 24VAC
Onboard Analytics		Motion Detection (3) Privacy Zones (9) Blur Detection	Motion Detection (3) Privacy Zones (9) Blur Detection	Audio		Bi-Directional	Bi-Directional
VideoEdge TrickleStor		Yes	Yes	Model Numbers		IFS02P6INWIT	IFS02P6ONWIT
Audio Input/Output		Yes	Yes				
Alarm Input/Output		1/1	1/1				
Wide Dynamic Range		100dB	120dB				
Onboard Storage (SD Card)		microSDXC 128GB	microSDXC 128GB				
Power Input		PoE IEEE 802.2af Class 3, 24VA	PoE IEEE 802.2af Class 3, 24VA				
Power Draw		9W (PoE) 7W (AC24V) 11W (DC12V)	9W (PoE) 7W (AC24V) 11W (DC12V)				
Operating Temperature		-4°F to 122°F	-4°F to 122°F				
Dimensions		2.8 x 3.9 x 2.4in	2.8 x 3.9 x 2.4in				
Outdoor Rating		No	No				
Vandal Resistant		No	No				
Model Numbers		IFS08XNANWTT	IFS03XNANWTT				

Essentials

Essentials

The Essentials varifocal and fixed cameras are ideal for economical deployments where simplicity and quality video are a necessity. The limited feature set makes them easy to configure and use. The 2MP product offering maintains fine video streaming and recording capability.

Essentials Bullet & Mini-Dome Fixed & Varifocal

The Illustra Essentials Bullet and Mini-Dome cameras can withstand even the harshest environments and produce amazing high-resolution video in a variety of lighting environments. Both form factors are available in 2MP resolutions and are equipped with IR LED's for low-light applications. The cameras capture video in a variety of lighting conditions with features such as True Day/Night and Wide Dynamic Range.

- 2 megapixel resolutions at 30 frames per second
- H.264 and MJPEG dual-stream encoding
- Multiple network monitoring
- IP67-rated enclosure to protect against dust and water damage
- 3.6mm fixed lens or 2.7-12mm varifocal lens
- IR illuminators for clear images in low light conditions
- Corridor mode to capture video in narrow vertical field of views such as hallways
- True Day/Night functionality for quality video recording in low light conditions
- True Wide Dynamic Range to simultaneously view high contrast areas
- Privacy Zones
- This product is subject to certain restrictions on procurement, use, funding or contracting by the United States federal government as set forth in Section 889 (Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019.



ESSENTIALS CAMERA GUIDE

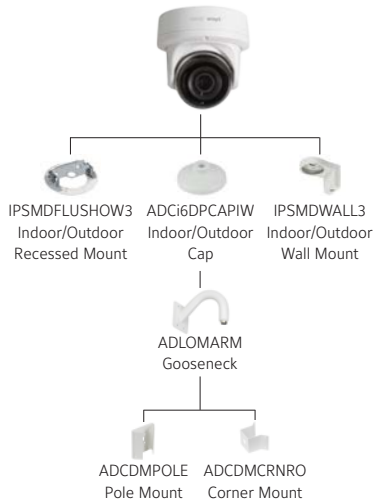
		Essentials 2MP Outdoor Mini-Dome	Essentials 2MP Mini-Bullet	Essentials 2MP Varifocal IP Bullet	Essentials 2MP Varifocal Mini-Dome
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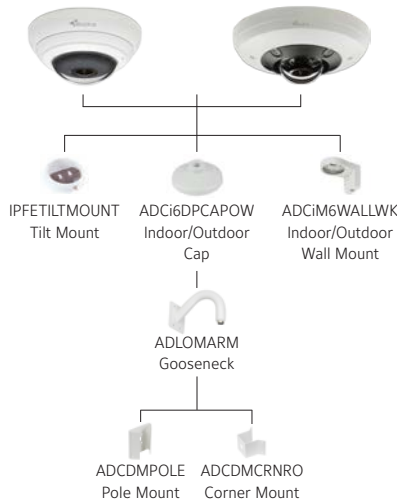
Max Frame Rate/ Stream	MAIN	30ips @ 2MP	30ips @ 2MP	30ips @ 2MP	30ips @ 2MP
	SUB	30ips @ D1	30ips @ D1	30ips @ D1	30ips @ D1
Max Resolution		1080p	1080p	1080p	1080p
CODEC		MJPEG/H.264	MJPEG/H.264	MJPEG/H.264	MJPEG/H.264
Illustra IntelliZip		No	No	No	No
Imager		1/2.7"	1/2.7"	1/2.7"	1/2.7"
Day/Night		Mechanical ICR	Mechanical ICR	Mechanical ICR	Mechanical ICR
Minimum Illumination (Lux)	Color	0.025 Lux	0.025 Lux	0.01 Lux	0.1 Lux
	IR	0 Lux	0 Lux	0 Lux	0 Lux
IR Illuminator Range		98ft	98ft	98ft	98ft
Focal Length		3.6mm	3.6mm	2.7-12mm	2.7-12mm
Horizontal Field of View		93°	93°	35°	30°
Auto Focus / Motorized Zoom		Manual	Manual	Manual	Manual
Audio Input/Output		No	No	No	No
Alarm Input/Output		No	No	No	No
Wide Dynamic Range		Yes	Yes	Yes	Yes
Onboard Storage		No	No	No	No
VideoEdge TrickleStor		No	No	No	No
Power Input		DC12V, PoE (802.3af)	DC12V, PoE (802.3af)	DC12V, PoE (802.3af)	DC12V, PoE (802.3af)
Power Draw		<4.4W	<5.5W	<7.5W	<4W
Operating Temperature		-22°F to +140°F	-22°F to +140°F	-22°F to +140°F	-22°F to +140°F
Dimensions		4.3 x 3.3in	2.8 x 2.6 x 6.5in	3.1 x 3.1 x 8.4in	4.8 x 3.5in
Outdoor Rating		IP66	IP66	IP67	IP67
Vandal Resistant		No	No	No	IK10
Model Numbers		IES02CFBCWIYA	IES02MFBNWIYA	IES02B1BNWIYB	IES02D1OCWIYB

Accessories

Pro Gen3 2MP, 3MP, 5MP, 8MP Mini-Domes

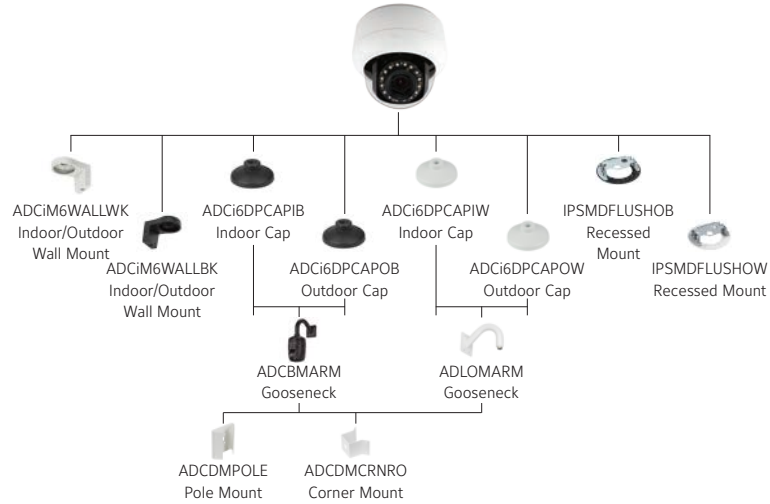


Pro 5MP Fisheye LT



Pro 12MP Fisheye

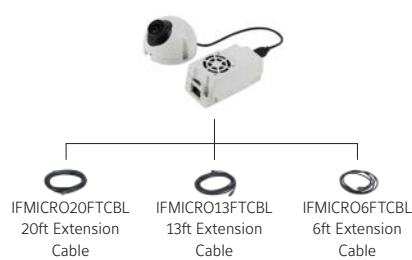
Pro 2MP & 5MP Mini-Domes



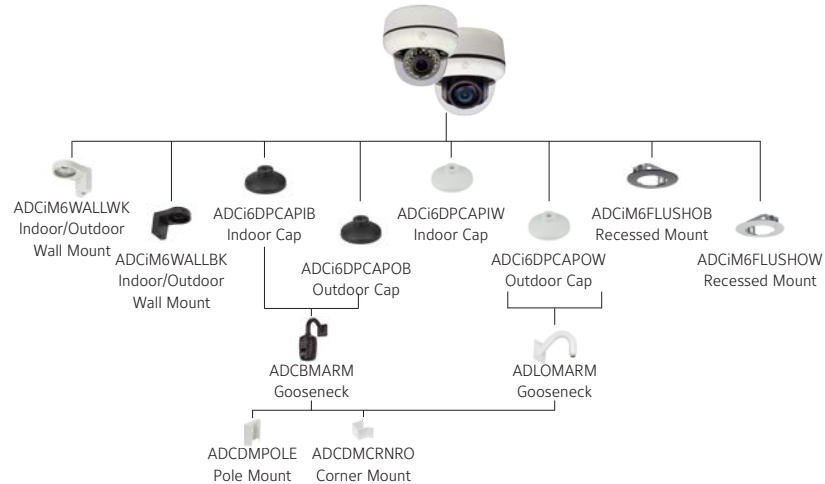
Pro LT 2MP Bullet



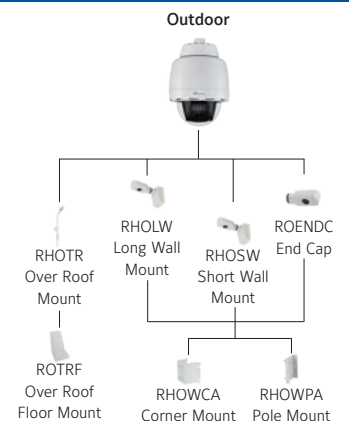
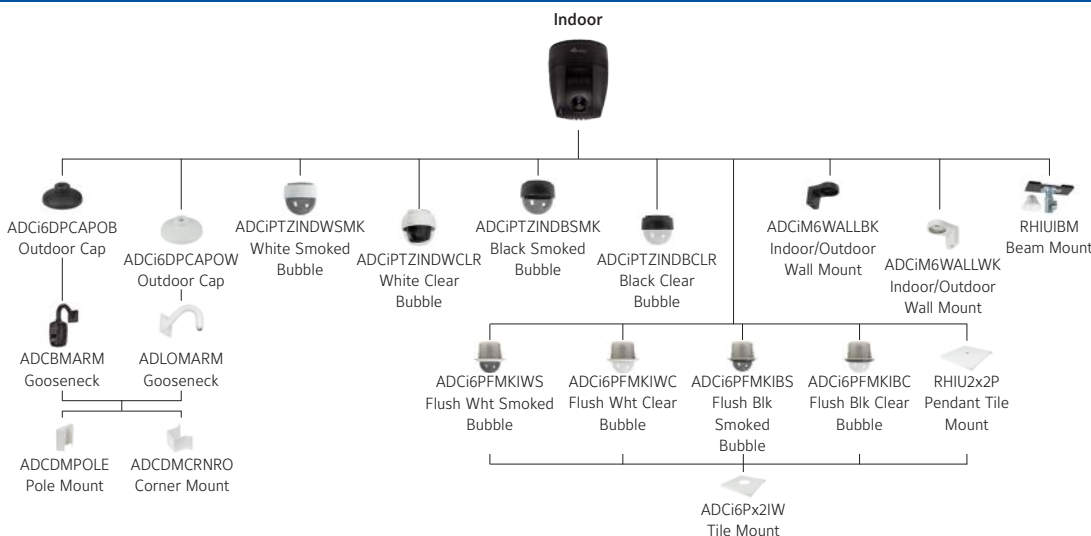
Pro 2MP Micro



Pro 610/600 Mini-Domes



Pro 2MP 30x PTZ



Flex 3MP & 8MP Bullet		Flex 3MP & 8MP Mini-Dome		Flex 2MP IR PTZ	
 IFBMNTBOX Mounting Box ADCDMPOLE Pole Mount ADCDMCRNRO Corner Mount		 IFMDBWSMK Smoked Dome ADCi6DPCAPIW Indoor Cap IFDRECMNT Recessed Mount ADLOMARM Gooseneck ADCDMPOLE Pole Mount ADCDMCRNRO Corner Mount		 IFIRPTZWRECMT Recessed Mount RHOTR Over Roof Mount ROENDC End Cap RHOLW Long Wall Mount RHOSW Short Wall Mount ROTRF Over Roof Floor Mount RHOWCA Corner Mount RHOWPA Pole Mount	
Flex 3MP Box	Flex 4K Box	Flex/Pro 3MP Compact Mini-Dome		Essentials 2MP Varifocal Mini-Dome	
 LIRC3105PCS 3-10.5 mm varifocal LIRC7550PCS Long range	 LIRC3410PCS 3.4-10 mm varifocal	 ADCi6MPCAPIW Pendant Cap ADLOMARM Gooseneck ADCDMPOLE Pole Mount ADCDMCRNRO Corner Mount		 PFA151 Corner Mount PFA152 Pole Mount PFA137 Junction Box Mount PFB203W Wall Mount PFB200C Recessed Mount	
Essentials 2MP Mini-Bullet	Essentials 2MP Varifocal Bullet		Essentials 2MP Outdoor Mini-Dome		IPSMDEBPLATE Plate Mount
 PFA134 Waterproof Junction Box	 PFA122 Waterproof Junction Box PFA151 Corner Mount PFA152 Pole Mount		 PFB204W Wall Mount PFA121 Waterproof Junction Box		 Compatible with Pro Gen3 Mini-Dome, Pro Compact Mini-Dome, Flex Gen2 Mini-Dome, Flex Compact Mini-Dome, and Flex Gen2 Bullet.



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 us on Facebook, Twitter, and LinkedIn.