



# Optimize Performance with Expansive Video Surveillance Solutions



The Complete Illustra Camera Portfolio



## Versatile, Scalable, Intelligent

Illustra® IP network cameras feature premiere video intelligence and technology that maximize resources and improve overall performance. Powerful on-board camera analytics distribute the load between the camera and the video management system while triggering events to be utilized for real-time alerts, forensic analysis, or useful business data. Innovative low-light detection enabled by IR illumination, wide dynamic range, true day/night and UltraVision provide exceptional video quality in challenging lighting conditions. Get the most out of storage hardware while preserving video detail through Illustra® IntelliZip smart bandwidth management. Ensure an optimum video experience with a wide range of features and options from Illustra.

A tiered approach scaling from single-site deployments to multi-location installations allows Illustra to provide a solution for a variety of workplaces and industries. As the premium Illustra product line, Pro cameras offer high-resolution, advanced video intelligence analytics, and corridor mode for complex enterprise-level deployments. With a variety of 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. Essentials varifocal and fixed focal lens cameras are ideal for basic, low-cost deployments where quality and versatility are necessities. With an array of form factors and features, there is always an Illustra camera able to perform in a variety of environments. Surveillance cameras seldom function on their own, which is why the open platform of Illustra cameras makes them ideal in applications where integration is important. Used with a vast number of video and access control management systems from brands such as Software House, Exacq and American Dynamics, Illustra is part of a holistic, end-to-end security solution.

Illustra cameras provide a versatile and scalable surveillance solution for deployments where advanced video intelligence, innovative recording features, and open platform integrations are required.

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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 eight 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 Illustra Pro 2MP, 3MP and 5MP Mini-Dome IP camera series. 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 nine analytic alarms including:
  - Object detection
  - Abandoned/removed
  - Direction
  - Linger
  - Dwell
  - Enter/exit
  - Crowd
  - Queue
- Compatible with American Dynamics VideoEdge recorders and exacqVision 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 (KPIs), rationality staff levels, 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

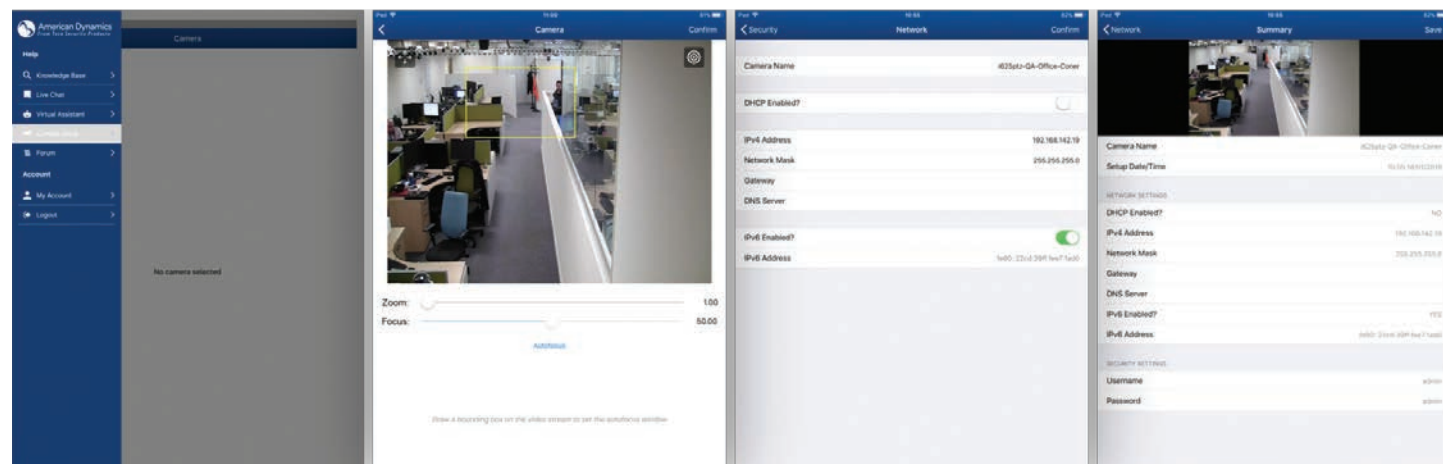
Illustra IntelliZip provides powerful bandwidth management beyond H.264 and H.265, reducing network bandwidth and video storage requirements. This embedded technology continuously monitors and optimizes system streaming parameters to match the level of activity within the camera's field of view. When 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 it to maintain all of 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 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 Cyber Protection

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 Flex and Pro IP cameras adhere to the rigorous standards of the Tyco Cyber Protection Product Security Program. The holistic approach to cyber protection is aimed at providing peace of mind to our customers. This 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.

**tyco**

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, mini-bullet, 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 UltraVision, an Illustra technology that provides the camera with superior low-light performance and the ability to see in color even when the environment

gets dark. 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. When connectivity is reestablished after downtime, the recorded video trickles back to the NVR and is placed seamlessly into the media database.



### Pro Gen3 Mini-Domes Coming Soon

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. Smart Wide Dynamic Range available in the Pro Gen3 Mini-Dome reduces configuration time while greatly improving the quality of the video stream in varying lighting environments. By effectively reading the scene, the Mini-Dome can adjust contrasting and overall scene balance without operator intervention or maintenance.

- Available in 3MP and 8MP resolution options
- Video Intelligence Analytics provide real-time alarms that allow for quick reaction to incidents
- Profile settings allow the mini-dome to adapt to scenarios such as retail, 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 tampered with in any way

### Pro 2MP Micro Coming Soon

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 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.

- 2MP up to 60 frames per second
- Low-profile design allows for discrete deployments
- ONVIF Profile S compliant for simplified integrations
- No additional licensing cost when adding to VideoEdge NVRs
- True Wide Dynamic Range to simultaneously view high contrast areas
- Edge-based failover redundancy to provide improved camera-to-NVR connectivity
- Illustra IntelliZip offers powerful video compression technology for improved bandwidth management



**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 cyber-security, and small form factor are important. These models are equipped with corridor mode, a 9x16 field of view aspect ratio for vertically oriented scenes, which is optimal for hallways, aisles or any area where a landscape format is not ideal.

- 2MP and 3MP models provide true HD quality images
- VideoEdge TrickleStor technology for failover redundancy
- Illustra IntelliZip offers powerful video compression technology for bandwidth management
- True Wide Dynamic Range to simultaneously view high contrast areas
- Corridor Mode for vertical field of view orientation to view hallways or store aisles
- IP67-rated outdoor model enclosure to protect against dust and water damage
- IK10 vandal-resistance rating
- ONVIF Profile S compliant for simplified video streaming integrations



**Pro 2MP, 3MP, and 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. VideoEdge TrickleStor technology for based recording failover redundancy is also included on these models.

- UltraVision for superior low light performance on the 2MP model
- VideoEdge TrickleStor technology for based recording failover redundancy
- True Wide Dynamic Range to simultaneously view high contrast areas
- Triple video streaming to maximize transcoding resources
- Multiple motorized lens options
- Video Intelligence Analytics
- Corridor mode captures video in narrow vertical field of views such as hallways
- IP66-rated enclosure to protect against dust and water damage
- IK10-rated to protect against severe impacts and vandalism



**Pro Compact Mini-Bullet**

With 1080p resolution for crisp, clear high-definition video, the mini-bullet camera provides various viewing angles, including a horizontal view and a corridor mode to capture video in narrow hallways or other areas where the traditional landscape format does not meet requirements.

- Compact and discreet
- 1080p resolution
- Built-in high power IR LED illuminator extending the viewing range in absolute darkness
- True Wide Dynamic Range to simultaneously view high contrast areas
- Motion detection capability
- Quick, easy installation and configuration
- Pre-focused for quick and easy installations
- Corridor mode captures video in narrow vertical field of views such as hallways
- Onboard SD card recording and storage
- Power over Ethernet for wiring simplicity



**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.

- 720p and 1080p resolution
- 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
- H.264 and MJPEG compression with 30 fps
- Onboard SD card recording and storage
- ONVIF Profile S compliant for simplified video streaming integrations
- Power over Ethernet for wiring simplicity



Pro

### Pro 5MP Fisheye

The Fisheye camera's onboard de-warping technology provides distortion corrected video streaming of 180°, 360° panoramic, 16:9, or active 4:3 views. Not only does the Illustra Pro Fisheye have onboard de-warping, but now with the exacqVision VMS embedded option, this IP camera can record and store video onboard as well.

- 5MP imager for super high quality images
- 180°/360° panoramic views of wide areas
- Wall and ceiling mounting and configuration respectively
- Single or multiple fixed views for forensic investigations
- ePTZ capabilities for ultra-smooth pan, tilt and zoom
- Efficient bandwidth and video storage to reduce costs
- Onboard SD card recording and storage
- Sleek, discreet design
- Quick, easy installation and configuration
- Vandal-resistant model available
- ONVIF Profile S compliant for simplified video streaming integrations
- Power over Ethernet for wiring simplicity



### 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 such as retail stores, parking areas, building lobbies, elevator banks, corridor intersections and university lecture halls where situational surveillance, including subject traffic flow, covering a wide area can be achieved using a single camera. Its sleek, discreet design allows it to blend into any environment for inconspicuous surveillance. The camera's integrated IR illuminators provide high-quality video up to 15 meters (49') 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
- Efficient bandwidth and video storage to reduce costs
- Onboard SD card recording and storage
- Sleek, discreet design
- Pre-focused at the factory for quick and easy installations
- IP66-rated enclosure to protect against dust and water damage
- IK10-rated to protect against severe impacts and vandalism
- ONVIF profile S, G, and Q compliant
- Integrated IR illumination up to 15 meters brightens dark scenes for nighttime viewing
- Analog output for local viewing monitor



**Pro Micro Camera**

The Pro Micro camera is well-suited for applications where low profile, high performance surveillance is required such as in ATM machines. Any of the three available lens modules can be installed in a limited space while using the 20ft (6m) power/processing cable to conveniently install the main power unit elsewhere.

- Delivers high definition video of 1080p at 30 fps
- True Wide Dynamic Range to simultaneously view high contrast areas
- Excellent low light color video quality to see important details
- Corridor mode to capture video in narrow vertical field of views such as hallways
- exacqVision VMS compatible
- Simple install in confined spaces for discreet installations
- Various mounting options included
- Reduces time and optimizes installation
- Support for onboard SD card up to 64GB for convenient video storage
- Lens options available for multiple field of views including telephoto and wide angle



- Produces clear video in the most complex environments with auto defog and frame noise reduction
- Industry leading low latency performance for precision real-time control to accurately track subjects in missioncritical applications without losing them due to camera control delay
- 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 300m (~1000 ft.) from the camera





**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 tracks a scene with the precision you would expect from an analog PTZ camera while maintaining 30 fps, delivering multiple 1080p video streams in H.264 and MJPEG resolution. 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
- True Wide Dynamic Range simultaneously high contrast areas
- Precise pan, tilt and zoom control for accurate tracking
- Automatically control of the pan and tilt speed in proportion to the amount of zoom used
- 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







PRO CAMERA GUIDE

	Pro Compact 2MP Mini-Dome	Pro Compact 3MP Mini-Dome	Pro 2MP 1.8-3mm Mini-Dome	Pro 2MP 3-9mm Mini-Dome
				
Max Frame Rate/Stream	30ips @ 3MP 60ips @ 1080p	30ips @ 3MP 60ips @ 1080p	30ips @ 1920 x1080	30ips @ 1920 x1080
Resolution Options	2048x1536 4:3	2048x1536 4:3	1080p	1080p
CODEC	MJPEG/H.264/H.264+	MJPEG/H.264/H.264+	MJPEG/H.264	MJPEG/H.264
Illustra IntelliZip	Yes	Yes	No	No
Video Streams	Triple	Triple	Triple	Triple
Imager	1/2.8" CMOS	1/2.8" CMOS	1/2.8"	1/2.8"
Permanent Analogue 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	0.03 lux
	B/W	N/A	N/A	0.001 lux
	IR	N/A	N/A	0.0 lux
IR Illuminator Range	N/A	N/A	65 ft	65 ft
Lens Type	2.8mm	2.8mm	Manual Varifocal	One Touch Motorized Varifocal
Field of View (H/V)	WA	102°/77°	113°/78°	105°/57°
	TP		84°/53°	36°/20°
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	Motion Detection Face Detection Privacy Zones (4) Blur Detection	Motion Detection Face Detection Privacy Zones (4) Blur Detection
Audio Input/Output	Yes	Yes	1 to 1	1 to 1
Alarm Input/Output	No	No	2 to 1	2 to 1
Wide Dynamic Range	120dB	120dB	100dB	100dB
Onboard Storage (SD Card)	microSDXC 128 GB	microSDXC 128 GB	SDXC 128 GB	SDXC 128 GB
VideoEdge TrickleStor	Yes	Yes	Yes	Yes
Power Input	PoE IEEE 802.3af Class 2	PoE IEEE 802.3af Class 2	AC24V, IEEE802.3af Class 3 PoE	AC24V, IEEE802.3af Class 3 PoE
Power Draw	6W	6W	12.95W	12.95W
Operating Temperature	-40°F to 122°F	-40°F to 122°F	Indoor: 14°F to 122°F Outdoor: -22°F to 122°F 24VAC: -40°F to 122°F Extended: 140°F 4hrs/day	Indoor: 14°F to 122°F Outdoor: -22°F to 122°F 24VAC: -40°F to 122°F Extended: 140°F 4hrs/day
Dimensions	4.3x2.0 in	4.3x2.0 in	Indoor: 5.4 x 5.1 in Outdoor: 6.3 x 5.3 in	Indoor: 5.4 x 5.1 in Outdoor: 6.3 x 5.3 in
Outdoor Rating	IP66/IP67	IP66/IP67	IP66 (Outdoor)	IP66 (Outdoor)
Vandal Resistant	IK10	IK10	IK10-rated	IK10-rated
Housing Color	White	White	White	White or Black
Model Numbers	IPS02CFOCWST	IPS03CFOCWST	IPS02D00CWTT	IPS02D2xxxxxxx





PRO CAMERA GUIDE

	Pro 2MP 9-22mm Mini-Dome	Pro 3MP 1.8-3mm Mini-Dome	Pro 3MP 3-9mm Mini-Dome	Pro 3MP 9-22mm Mini-Dome
				
Max Frame Rate/Stream	30ips @ 1920 x 1080	30ips @ 2048 x1536	30ips @ 2048 x1536	30ips @ 2048 x1536
Resolution Options	1080p	2048x1536 4:3	2048x1536 4:3	2048x1536 4:3
CODEC	MJPEG/H.264	MJPEG/H.264	MJPEG/H.264	MJPEG/H.264
Illustra IntelliZip	No	No	No	No
Video Streams	Triple	Triple	Triple	Triple
Imager	1/2.8"	1/2.8"	1/3.2"	1/3.2"
Permanent Analogue Video Output	Yes	Yes	Yes	Yes
Day/Night	True Day/Night	Soft Day/Night	True Day/Night	True Day/Night
Minimum Illumination (Lux)	Color	0.04 lux	0.06 lux	0.05 lux
	B/W	0.002 lux	0.004 lux	0.003 lux
	IR	0.0 lux	0.0 lux	0.0 lux
IR Illuminator Range	65 ft	65 ft	65 ft	65 ft
Lens Type	One Touch Motorized Varifocal	Manual Varifocal	One Touch Motorized Varifocal	One Touch Motorized Varifocal
Field of View (H/V)	WA	34°/19°	103°/87°	88°/64°
	TP	14°/8°	74°/59°	30°/22°
Corridor Mode	Yes	No	No	No
Auto Focus / Motorized Zoom	Yes	Yes	Yes	Yes
Onboard Analytics	Motion Detection Face Detection Privacy Zones (4) Blur Detection	Motion Detection Face Detection Privacy Zones (4) Blur Detection	Motion Detection Face Detection Privacy Zones (4) Blur Detection	Motion Detection Face Detection Privacy Zones (4) Blur Detection
Audio Input/Output	1 to 1	1 to 1	1 to 1	1 to 1
Alarm Input/Output	2 to 1	2 to 1	2 to 1	2 to 1
Wide Dynamic Range	100dB	90dB	90dB	90dB
Onboard Storage (SD Card)	SDXC 128 GB	SDXC 128 GB	SDXC 128 GB	SDXC 128 GB
VideoEdge TrickleStor	Yes	Yes	Yes	Yes
Power Input	AC24V, IEEE802.3af Class 3 PoE	AC24V, IEEE802.3af Class 3 PoE	AC24V, IEEE802.3af Class 3 PoE	AC24V, IEEE802.3af Class 3 PoE
Power Draw	12.95W	12.95W	12.95W	12.95W
Operating Temperature	Indoor: 14°F to 122°F Outdoor: -22°F to 122°F 24VAC: -40°F to 122°F Extended: 140°F 4hrs/day	Indoor: 14°F to 122°F Outdoor: -22°F to 122°F 24VAC: -40°F to 122°F Extended: 140°F 4hrs/day	Indoor: 14°F to 122°F Outdoor: -22°F to 122°F 24VAC: -40°F to 122°F Extended: 140°F 4hrs/day	Indoor: 14°F to 122°F Outdoor: -22°F to 122°F 24VAC: -40°F to 122°F Extended: 140°F 4hrs/day
Dimensions	Indoor: 5.4 x 5.1 in Outdoor: 6.3 x 5.3 in	Indoor: 5.4 x 5.1 in Outdoor: 6.3 x 5.3 in	Indoor: 5.4 x 5.1 in Outdoor: 6.3 x 5.3 in	Indoor: 5.4 x 5.1 in Outdoor: 6.3 x 5.3 in
Outdoor Rating	IP66 (Outdoor)	IP66 (Outdoor)	IP66 (Outdoor)	IP66 (Outdoor)
Vandal Resistant	IK10-rated	IK10-rated	IK10-rated	IK10-rated
Housing Color	White or Black	White	White or Black	White or Black
Model Numbers	IPS02D3xxxxxxx	IPS03D00CWTT	IPS03D2xxxxxxx	IPS03D3xxxxxxx

PRO CAMERA GUIDE

	Pro 5MP 1.8-3mm Mini-Dome	Pro 5MP 3-9mm Mini-Dome	Pro 5MP 9-22mm Mini-Dome	Pro Compact Mini-Bullet
				
Max Frame Rate/Stream	15ips @ 2592 x 1944	15ips @ 2592 x 1944	15ips @ 2592 x 1944	30 ips @ 1920 x 1080
Resolution Options	2592x1944 4:3	2592x1944 4:3	2592x1944 4:3	CIF, 4CIF, 720p, 1080p
CODEC	MJPEG/H.264	MJPEG/H.264	MJPEG/H.264	MJPEG/H.264
Illustra IntelliZip	No	No	No	No
Video Streams	Triple	Triple	Triple	Dual
Imager	1/3.2"	1/3.2"	1/3.2"	1/2.9"
Permanent Analogue Video Output	Yes	Yes	Yes	N/A
Day/Night	True Day/Night	True Day/Night	True Day/Night	True Day/Night
Minimum Illumination (Lux)	Color	0.3 lux	0.3 lux	0.4 lux
	B/W	0.01 lux	0.02 lux	0.03 lux
	IR	0.0 lux	0.0 lux	0.0 lux
IR Illuminator Range	65 ft	65 ft	65 ft	33 ft
Lens Type	Manual Varifocal	One Touch Motorized Varifocal	One Touch Motorized Varifocal	Fixed
Field of View (H/V)	WA	103°/87°	88°/64°	29°/21°
	TP	74°/59°	30°/22°	12°/9°
Corridor Mode	No	No	No	Yes
Auto Focus / Motorized Zoom	Yes	Yes	Yes	No
Onboard Analytics	Motion Detection Face Detection Privacy Zones (4) Blur Detection	Motion Detection Face Detection Privacy Zones (4) Blur Detection	Motion Detection Face Detection Privacy Zones (4) Blur Detection	Motion Detection Privacy Zones (4)
Audio Input/Output	1 to 1	1 to 1	1 to 1	N/A
Alarm Input/Output	2 to 1	2 to 1	2 to 1	1 to 1
Wide Dynamic Range	90dB	90dB	90dB	68dB
Onboard Storage (SD Card)	SDXC 128 GB	SDXC 128 GB	SDXC 128 GB	microSDXC 64 GB
VideoEdge TrickleStor	Yes	Yes	Yes	No
Power Input	AC24V, IEEE802.3af Class 3 PoE	AC24V, IEEE802.3af Class 3 PoE	AC24V, IEEE802.3af Class 3 PoE	12V DC, PoE 802.3af
Power Draw	12.95W	12.95W	12.95W	4.4W
Operating Temperature	Indoor: 14°F to 122°F Outdoor: -22°F to 122°F 24VAC: -40°F to 122°F	Indoor: 14°F to 122°F Outdoor: -22°F to 122°F 24VAC: -40°F to 122°F	Indoor: 14°F to 122°F Outdoor: -22°F to 122°F 24VAC: -40°F to 122°F	12V DC: -4°F to 122°F PoE: -4°F to 113°F
Dimensions	Indoor: 5.4 x 5.1 in Outdoor: 6.3 x 5.3 in	Indoor: 5.4 x 5.1 in Outdoor: 6.3 x 5.3 in	Indoor: 5.4 x 5.1 in Outdoor: 6.3 x 5.3 in	2.9 x 3 x 9.6 in
Outdoor Rating	IP66 (Outdoor)	IP66 (Outdoor)	IP66 (Outdoor)	IP66
Vandal Resistant	IK10-rated	IK10-rated	IK10-rated	IK10-rated
Housing Color	White	White or Black	White or Black	White
Model Numbers	IPS05D00CWTY	IPS05D2xxxxxx	IPS05D3xxxxxx	ADCi610-M022

PRO CAMERA GUIDE

	Pro LT 2MP Bullet	Pro 5MP Fisheye	Pro 12MP Fisheye	Pro 2MP Mico Camera
				
Max Frame Rate/Stream	30 ips @ 1080p	14 ips @ 1936x1936 15 ips @ 1920x1080	1080p @ 20ips	30 ips @ 1080p
Resolution Options	1080p	CIF, 4CIF, 720p, 1080p	2688x1512 16:9	1080p
CODEC	MJPEG/H.264	MJPEG/H.264	MJPEG/H.264	MJPEG/H.264
Illustra IntelliZip	No	No	No	No
Video Streams	Dual	Five	Triple	Dual
Imager	1/2.9"	1/2.5"	1/1.7"	1/3"
Permanent Analogue 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
	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	Motorized One-Touch Auto Focus/Zoom	Manual	Manual	Fixed
Field of View (H/V)	WA	99° / 56°	When wall mounted 183°	180° / 180°
	TP	34° / 20°		104° / 70° / 58° (H) 55° / 36° / 31° (V)
Corridor Mode	Yes	No	No	Yes
Auto Focus / Motorized Zoom	No	Manual Tune	N/A	N/A
Onboard Analytics	Motion Detection Privacy Zones (4)	Motion Detection Privacy Zones (4)	Motion Detection Privacy Zones (4)	Motion Detection Privacy Zones (4)
Audio Input/Output	N/A	N/A	Yes	N/A
Alarm Input/Output	1 to 1	N/A	1 to 1	1 to 1
Wide Dynamic Range	68dB	82dB	Yes	57dB
Onboard Storage (SD Card)	microSDXC 64 GB	microSDXC 32 GB	microSDXC 64 GB	microSDXC 64 GB
VideoEdge TrickleStor	No	No	No	No
Power Input	12V DC, PoE 802.3af	PoE 802.3af, Class 3	PoE IEEE 802.af, DC12V	DC 12V POE IEEE 802.3af
Power Draw	7.6W (PoE) 1.0A (DC12V)	12.95W	7.1W PoE, 8.1W DC12V	7.6W (PoE) 0.5A (DC12V)
Operating Temperature	-4°F to 122°F	14°F to 113°F	-22°F to 122°F	14°F to 122°F
Dimensions	3.5 x 3.4 x 11.4 in	Body Diameter: 5.9 in Height: Vandal-Resistant 2.9 in, Non Vandal-Resistant 2.4 in	4.6 in x 1.68 in	Cable length 20 ft
Outdoor Rating	IP66	N/A	IP66	N/A
Vandal Resistant	IK10-rated	IK10-rated	IK10-rated	N/A
Housing Color	White	White	White	White
Model Numbers	IPL02B1BNWIY	ADCi825-F311 ADCi825-F312	IPS12FFOCWIYA	IPS02HFANWSY1/2/3

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°
Video Resolution	1080p, 720p, PAL+, qHD, nHD, 480x270, 320x180, 160x90	1080p, 720p, PAL+, qHD, nHD, 480x270, 320x180, 160x90
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
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. The Flex product family now includes 4K options for greater detail and pixel density in wide areas such as loading docks and airport terminals. 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.

- Available in both 3MP and 8MP resolutions
- Illustra IntelliZip offers powerful video compression for bandwidth management
- True Day/Night functionality for quality video recording in low light conditions
- True Wide Dynamic Range to simultaneously view high contrast areas
- VideoEdge TrickleStor technology for based failover redundancy
- P-Iris for image clarity in changing light conditions
- Motion detection for instant alerts of intruders
- IP67-rated enclosure to protect against dust and water damage
- IR illuminators for clear images in low light conditions
- IK10-rated to protect against severe impacts and vandalism
- Recessed mounting option for versatile installations
- ONVIF Profile S compliant for simplified video streaming integrations

### Flex 1MP Mini-Domes

With an aesthetically pleasing design, the affordably priced Illustra Flex Mini-Domes offer an effective solution and meets a variety of surveillance needs for budget conscious retail stores, schools, small bank branches and small to medium size offices

- True Day/Night functionality for quality video recording in low light conditions
- True Wide Dynamic Range to simultaneously view high contrast areas
- Motion detection for instant alerts of intruders
- IP66-rated enclosure to protect against dust and water damage
- IR illuminators for clear images in low light conditions
- IK10-rated to protect against severe impacts and vandalism
- A variety of mounting options for quick and easy installation
- 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.

- 3MP resolution options for true HD quality images
- Illustra IntelliZip offers powerful video compression for bandwidth management
- True Wide Dynamic Range to simultaneously view high contrast areas up to 120 dB
- VideoEdge TrickleStor technology for based failover redundancy
- Motion detection for instant alerts of intruders
- IP66- and IP67-rated enclosure to protect against dust and water damage
- IK10-rated to protect against severe impacts and vandalism
- ONVIF Profile S compliant for simplified video streaming integrations



### Flex 3MP & 8MP Bullet

Featuring a tough exterior, the Illustra Flex Bullet Camera 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.

- Available in both 3MP and 8MP resolutions
- Illustra IntelliZip offers powerful video compression for bandwidth management
- True Day/Night functionality for quality video recording in low light conditions
- True Wide Dynamic Range to simultaneously view high contrast areas up to 120 dB
- VideoEdge® TrickleStor technology for based failover redundancy
- P-Iris for image clarity in changing light conditions
- Motion detection for instant alerts
- IP68-rated enclosure to protect against dust and water damage
- IR illuminators for clear images in low light conditions
- IK10-rated to protect against severe impacts and vandalism
- ONVIF Profile S compliant for simplified video streaming integrations



### Flex 3MP & 8MP Box

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

- Available in both 3MP and 8MP resolutions
- Illustra IntelliZip offers powerful video compression for bandwidth management
- True Wide Dynamic Range to simultaneously view high contrast areas
- VideoEdge TrickleStor technology for based failover redundancy
- P-Iris for image clarity in changing light conditions
- Auto back focus
- True Day/Night functionality for quality video recording in low light conditions
- Motion detection for instant alerts of intruders
- Triple Streaming
- ONVIF Profile S compliant for simplified video streaming integrations



### Flex IR PTZ NEW






With its 30x optical and 12x digital magnification, the IR PTZ is capable of effectively managing video quality at a distance of up to 1,000 feet. Powerful IR LEDs on the outdoor model allow for a night scene illumination of up to 490 feet. 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
- IP66-rated enclosure to protect against dust and water damage
- IK10 vandal-resistance rating
- ONVIF Profile S compliant for simplified video streaming integrations







Flex

**FLEX CAMERA GUIDE**

	Flex 8MP Indoor Mini-Dome	Flex 8MP Outdoor Mini-Dome	Flex 3MP Indoor Mini-Dome	Flex 3MP Outdoor Mini-Dome	Flex 1MP Indoor Mini-Dome	
						
Max Frame Rate/Stream	15ips @ 8MP	15ips @ 8MP	30ips @ 3MP 60ips @ 1080p	30ips @ 3MP 60ips @ 1080p	30ips @ 1280x720	
Resolution Options	3840x2160 16:9	3840x2160 16:9	2048x1536 4:3	2048x1536 4:3	720p	
CODEC	MJPEG/H.264/H.264+	MJPEG/H.264/H.264+	MJPEG/H.264/H.264+	MJPEG/H.264/H.264+	MJPEG/H.264	
Illustra IntelliZip	Yes	Yes	Yes	Yes	No	
Video Streams	Triple	Triple	Triple	Triple	Triple	
Imager	1/2.5" CMOS	1/2.5" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/4" CMOS	
Permanent Analogue Video Output	Yes	Yes	Yes	Yes	Yes	
Day/Night	True 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	1.0 lux	
	B/W	0.0003 lux	0.0003 lux	0.001 lux	0.001 lux	0.05 lux
	IR	0.0 lux	0.0 lux	N/A	0.0 lux	N/A
IR Illuminator Range	N/A	82 ft	N/A	82 ft	N/A	
Lens Type	3.4-9mm	3.4-9mm	2.8-12mm	2.8-12mm	2.8-10mm	
Field of View (H/V)	WA	104°/56°	104°/56°	98°/71°	98°/71°	74°/40°
	TP	42°/24°	42°/24°	35°/26°	35°/26°	24°/14°
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	Manual Varifocal	
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	Motion Detection Privacy Zones	
VideoEdge TrickleStor	Yes	Yes	Yes	Yes	No	
Audio Input/Output	1 to 1	1 to 1	1 to 1	1 to 1	1 to 1	
Alarm Input/Output	1 to 1	1 to 1	1 to 1	1 to 1	1 to 1	
Wide Dynamic Range	100dB	100dB	120dB	120dB	50dB	
Onboard Storage (SD Card)	microSDXC 128 GB	microSDXC 128 GB	microSDXC 128 GB	microSDXC 128 GB	SDXC 64 GB	
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	PoE IEEE 802.3af Class 0, DC12V, AC24V	
Power Draw	6W	12W	6W	12W	11.5W (PoE) 26W (AC24V)	
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	14°F to 122°F	
Dimensions	4.8 x 4.2 in	4.8 x 4.2 in	4.8 x 4.2 in	4.8 x 4.2 in	5.8 x 5.5 in	
Outdoor Rating	IP66/IP67	IP66/IP67	N/A	IP66/IP67	IP66	
Vandal Resistant	IK10	IK10	IK10	IK10	N/A	
Housing Color	White	White	White	White	White	
Model Numbers	IFS08D2ICWTT	IFS08D2OCWIT	IFS03D1ICWTT	IFS03D1OCWIT	ADCi600F-D021A	

**FLEX CAMERA GUIDE**

	Flex 1MP Outdoor Mini-Dome	Flex 3MP Compact Mini-Dome	Flex 8MP Bullet	Flex 3MP Bullet	
					
Max Frame Rate/Stream	30ips @ 1280x720	30ips @ 3MP 60ips @ 1080p	15ips @ 8MP	30ips @ 3MP 60ips @ 1080p	
Resolution Options	720p	2048x1536 4:3	3840x2160 16:9	2048x1536 4:3	
CODEC	MJPEG/H.264	MJPEG/H.264/H.264+	MJPEG/H.264/H.264+	MJPEG/H.264/H.264+	
Illustra IntelliZip	No	Yes	Yes	Yes	
Video Streams	Triple	Triple	Triple	Triple	
Imager	1/4" CMOS	1/2.8" CMOS	1/2.5" CMOS	1/2.8" CMOS	
Permanent Analogue Video Output	Yes	No	Yes	Yes	
Day/Night	True Day/Night	Soft Day/Night	True Day/Night	True Day/Night	
Minimum Illumination (Lux)	Color	1.0 lux	0.01 lux	0.03 lux	0.03 lux
	B/W	0.05 lux	N/A	0.0003 lux	0.001 lux
	IR	0.0 lux	N/A	N/A	0.0 lux
IR Illuminator Range	49 ft	N/A	N/A	82 ft	
Lens Type	2.8-10mm	2.8mm	3.4-9mm	2.8-12mm	
Field of View (H/V)	WA	67°/36°	102°/77°	104°/56°	98°/71°
	TP	24°/14°	N/A	42°/24°	35°/26°
Auto Focus / Motorized Zoom	Manual Varifocal	Fixed	Motorized Varifocal / Focus P-iris Control	Motorized Varifocal / Focus P-iris Control	
Onboard Analytics	Motion Detection Privacy Zones	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	No	Yes	Yes	Yes	
Audio Input/Output	1 to 1	No	1 to 1	Yes	
Alarm Input/Output	1 to 1	N/A	1 to 1	1 to 1	
Wide Dynamic Range	50dB	120dB	100dB	120dB	
Onboard Storage (SD Card)	SDXC 64 GB	microSDXC 128 GB	Micro SDXC Slot Up to 128GB	microSDXC 128 GB	
Power Input	PoE IEEE 802.3af Class 0, AC24V	PoE IEEE 802.3af Class 2	PoE IEEE 802.2af Class 3, 24VAC	PoE IEEE 802.2af Class 3, 24VAC	
Power Draw	6W	6W	15W	15W	
Operating Temperature	-40°F to 122°F	-40°F to 122°F	-40°F to 122°F	-40°F to 122°F	
Dimensions	4.9 x 4.2 in	4.3 x 2.0 in	Ø3.05 x 9.25 in	2.8 x 8.0 in	
Outdoor Rating	IP66	IP66/IP67	IP66, IP67, IP68	IP66/IP67/IP68	
Vandal Resistant	IK10	IK10	IK10	IK10	
Housing Color	White	White	White	White	
Model Numbers	ADCi600F-D111A	IFS03CFOCWST	IFS08B2ONWITA	IFS03B1BNWIT	

## FLEX CAMERA GUIDE

	Flex 8MP Box	Flex 3MP Box	Flex IR PTZ Indoor	Flex IR PTZ Outdoor
				
Max Frame Rate/Stream	15ips @ 8MP	30ips @ 3MP 60ips @ 1080p		
Resolution Options	3840x2160 16:9	2048x1536 4:3		
CODEC	MJPEG/H.264/H.264+	MJPEG/H.264/H.264+		
Illustra IntelliZip	Yes	Yes		
Video Streams	Triple	Triple		
Imager	1/2.5" CMOS	1/2.8" CMOS		
Permanent Analogue Video Output	Yes	Yes		
Day/Night	True Day/Night	True Day/Night		
Minimum Illumination (Lux)	Color	0.03 lux	0.03 lux	0.03 lux
	B/W	0.0003 lux	0.001 lux	0.001 lux
	IR	N/A	N/A	N/A
IR Illuminator Range	N/A	N/A		
Lens Type	3.4-10mm (LIRC3410PCS)	3-10.5mm (LIRC3105PCS)		
Field of View (H/V)	WA	N/A	N/A	N/A
	TP	N/A	N/A	N/A
Auto Focus / Motorized Zoom	P-Iris Control	Manual Varifocal		
Onboard Analytics	Motion Detection (3) Privacy Zones (9) Blur Detection	Motion Detection (3) Privacy Zones (9) Blur Detection		
VideoEdge TrickleStor	Yes	Yes		
Audio Input/Output	Yes	Yes		
Alarm Input/Output	1 to 1	1 to 1		
Wide Dynamic Range	100dB	120dB		
Onboard Storage (SD Card)	microSDXC 128 GB	microSDXC 128 GB		
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 2.4 in	2.8 x 3.9 x 2.4 in		
Outdoor Rating	N/A	N/A		
Vandal Resistant	N/A	N/A		
Housing Color	White	White		
Model Numbers	IFS08XNANWTT	IFS03XNANWTT		
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
Lens - Optical Zoom			Optical - 30x, Digital 12x	Optical - 30x, Digital 12x
Adaptive IR			Yes	Yes
IR Distance			82ft	492ft
Wide Angle (FoV)			56°/45°	56°/45°
Telephoto (FoV)			2.1°/1.6°	2.1°/1.6°
Video Resolution			1080p, HD+, 720p, PAL+, qHD, nHD	1080p, HD+, 720p, PAL+, qHD, nHD
Max. Frame Rate			60ips @ 2MP	6:44:00 PM
Manual Pan/Tilt Speed			0.1° ~ 90°/s	0.1° ~ 90°/s
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
Pan Travel			360° continuous	360° continuous
Tilt Travel			-15° ~ +90°	-15° ~ +90°
Presets			96	96
Power			PoE+ 802.3at Class 4, 24VAC	UPoE 802.3bt Class 6, 24VAC
Inputs				
Outputs				
Audio			Bi-Directional	Bi-Directional
Model Numbers			IFS02P6INWIT	IFS02P6ONWIT

# Essentials

## Essentials

The Essentials varifocal and fixed cameras are ideal for economical deployments where simplicity and quality video is a necessity. The limited feature set makes them easy to configure and use. The 1MP and 2MP product offering maintains fine video streaming and recording capability.




### Essentials Bullet & Mini-Dome Fixed & Varifocal

The Illustra Essentials Bullet and Mini-dome camera can withstand even the harshest environments and produce amazing high-resolution video in a variety of lighting environments. Both form factors are available in 1 and 2 MP 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



### ESSENTIALS CAMERA GUIDE

		Essentials 2MP Outdoor Mini-Dome	Essentials 2MP Mini-Bullet	Essentials 2MP Varifocal IP Bullet	Essentials 2MP Varifocal Mini-Dome
					
Max Frame Rate/Stream	MAIN	2MP @ 30 ips	2MP @ 30 ips	2MP/1MP @ 30 ips	2MP @ 30 ips
	SUB	D1 @ 30 ips	D1 @ 30 ips	D1/CIF @ 30 ips	D1/CIF @ 30 ips
Resolution Options		1080p, CIF, D1, 720p	1080p, CIF, D1, 720p	1080P, 1.3M, 720P, D1, CIF	1080p, 1.3MP, 720p, D1, CIF
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		30m	30m	30m	30m
Lens Type		3.6mm Fixed	3.6mm Fixed	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 (-30°C to 60°C)	-22°F to +140°F (-30°C to 60°C)	-22°F to +140°F (-30°C to 60°C)	-22°F to +140°F (-30°C to 60°C)
Dimensions		108mm x 84mm	70mm x 66mm x 165mm	78mm x 80mm x 212.8mm	122mm x 89mm
Outdoor Rating		IP66	IP66	IP67	IP67
Vandal Resistant		No	No	No	IK10
Housing Color		White	White	White	White
Model Numbers		IES02CFBCWIYA	IES02MFBNWIYA	IES02B1BNWIYB	IES02D1OCWIYB



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### **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.

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