

tyco | Illustra

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

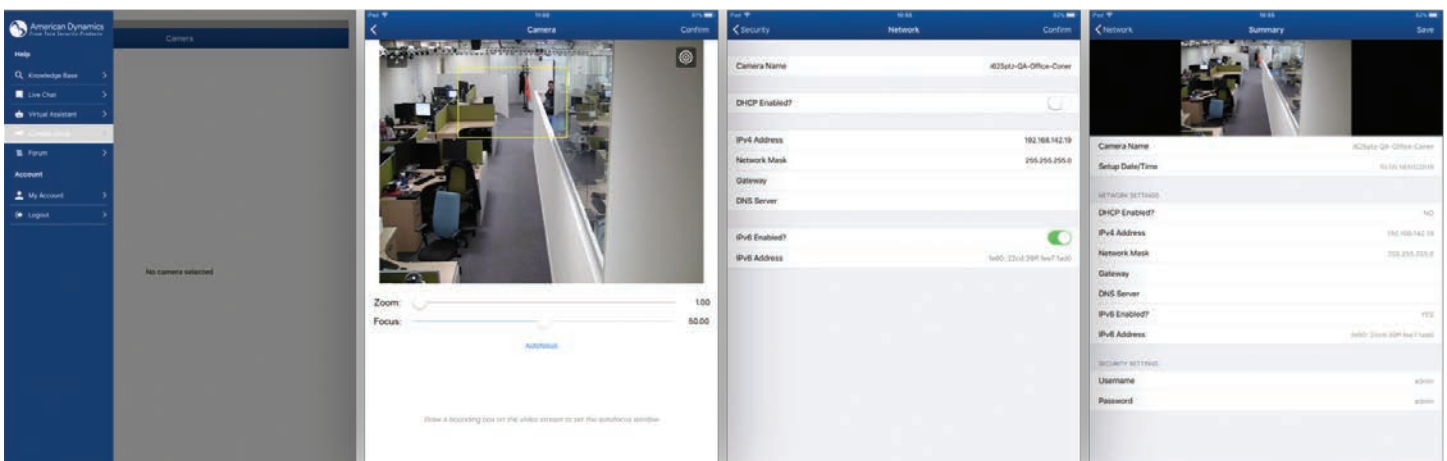
Illustra IntelliZip provides powerful bandwidth management beyond H.264 and H.265, reducing network bandwidth and video storage requirements. This embedded technology continuously monitors and optimizes system streaming parameters to match the level of activity within the camera's field of view. When 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 | 0.02 Lux |
| | B/W | N/A | N/A | 0.0001 Lux |
| | IR | N/A | N/A | 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 TP | 102°/77° | 112°/58° | 40°/21° |
| | | | 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

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 | 30ips @ 3MP |
| Max Resolution | 3840x2160 (4K) 16:9 | 3840x2160 (4K) 16:9 | 1080p | 2048x1536 4:3 |
| CODEC | MJPEG/H.264/H.265 | MJPEG/H.264/H.265 | MJPEG/H.264 | MJPEG/H.264 |
| Illustra IntelliZip | Yes | Yes | No | No |
| Video Streams | Quad | Quad | Triple | Triple |
| Imager | 1/1.8" | 1/1.8" | 1/2.8" | 1/3.2" |
| Analog Video Output | Yes | 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 | 65 ft |
| Focal Length | 3.6-10mm | 6-22mm | 3-9mm | 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 | No |
| 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 Face Detection Privacy Zones (4) Blur Detection | Video Intelligence Motion Detection Face Detection Privacy Zones (4) Blur Detection |
| Audio Input/Output | Yes | Yes | Yes | Yes |
| Alarm Input/Output | 1/1 | 1/1 | 2/1 | 2/1 |
| Wide Dynamic Range | 110dB | 110dB | 100dB | 90dB |
| Onboard Storage (SD Card) | microSDXC up to 256GB | microSDXC up to 256GB | SDXC 128GB | SDXC 128GB |
| 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 | AC24V, IEEE802.3af Class 3 PoE | AC24V, IEEE802.3af Class 3 PoE |
| Power Draw | PoE 12.95W, 24 VAC 16.5W | "PoE 12.95W, 24 VAC 16.5W" | 12.95W | 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 | 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 | Indoor: 5.4 x 5.1in Outdoor: 6.3 x 5.3in |
| Outdoor Rating | IP67 | IP67 | IP66 (Outdoor) | IP66 (Outdoor) |
| Vandal Resistant | IK10 | IK10 | IK10 | IK10 |
| Model Numbers | IPS08-D13-OI03 | IPS08-D14-OI03 | IPS02D2xxxxxxx | IPS03D2xxxxxxx |

Pro

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 |
| Illustra 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 | 0.01 Lux |
| | B/W | 0.65 Lux | N/A | |
| | IR | 0.0 Lux | N/A | |
| 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° |
| | 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.af, 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

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 |
| | B/W | 0.0003 Lux | 0.0003 Lux | 0.001 lux |
| | IR | 0.0 Lux | 0.0 Lux | N/A |
| 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° |
| | TP | 42°/24° | 42°/24° | 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

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 | | |
| Max Resolution | 3840x2160 16:9 | 2048x1536 4:3 | | |
| CODEC | MJPEG/H.264/H.265 | MJPEG/H.264/H.265 | | |
| Illustra IntelliZip | Yes | Yes | | |
| Video Streams | Triple | Triple | | |
| Imager | 1/2.5" | 1/2.8" | | |
| Analog Video Output | Yes | Yes | | |
| Day/Night | True Day/Night | True Day/Night | | |
| Minimum Illumination (Lux) | Color | 0.03 Lux | 0.03 Lux at 1/30s; 0.03 Lux at 1/4s color | 0.03 Lux at 1/30s; 0.03 Lux at 1/4s color |
| | B/W | 0.0003 Lux | 0.001 Lux at 1/4s B/W | 0.001 Lux at 1/4s B/W |
| | IR | N/A | 0.0 Lux with IR | 0.0 Lux with IR |
| IR Illuminator Range | N/A | N/A | | |
| Focal Length | 3.4-10mm (LIRC3410PCS) | 3-10.5mm (LIRC3105PCS) | | |
| Field of View (H/V) | WA | N/A | 56°/45° | 56°/45° |
| | TP | N/A | 2.1°/1.6° | 2.1°/1.6° |
| 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 | 1/1 | 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 | | |
| 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° |
| Max. Video Resolution | | | 1080p | 1080p |
| 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 | Pan Speed: 0.1°/s ~ 240°/s |
| | | | Tilt Speed: 0.1° ~ 160°/s | Tilt Speed: 0.1° ~ 160°/s |
| Pan Travel | | | 360° continuous | 360° continuous |
| Tilt Travel | | | -15° ~ +90° | -15° ~ +90° |
| Patterns | | | 17 | 17 |
| Onboard Analytics | | | Motion Detection Privacy Zones (8) Blur Detection | Motion Detection Privacy Zones (8) Blur Detection |
| Power | | | PoE+ 802.3at Class 4, 24VAC | UPoE 802.3bt Class 6, 24VAC |
| 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 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 |
|--|--|----------------------------------|----------------------------|------------------------------------|------------------------------------|
|--|--|----------------------------------|----------------------------|------------------------------------|------------------------------------|

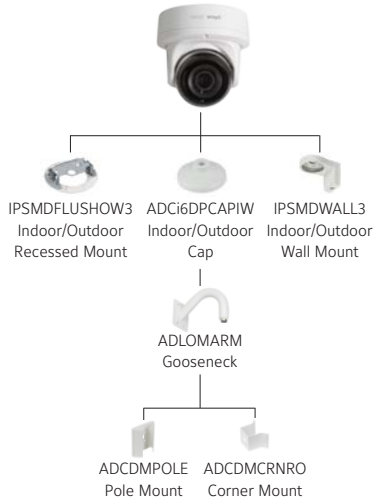


| | | | | | |
|-----------------------------|-------|----------------------|----------------------|----------------------|----------------------|
| Max Frame Rate/Stream | MAIN | 30ips @ 2MP | 30ips @ 2MP | 30ips @ 2MP | 30ips @ 2MP |
| | SUB | 30ips @ D1 | 30ips @ D1 | 30ips @ D1 | 30ips @ D1 |
| Max 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 |

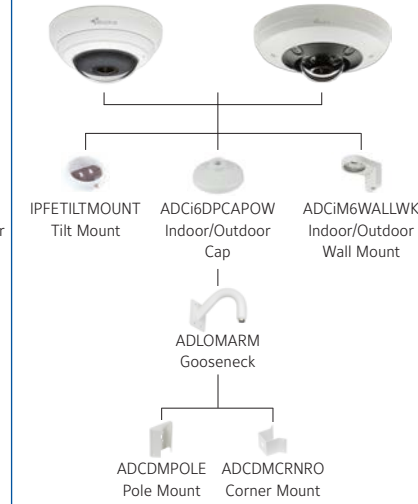
Essentials

Accessories

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

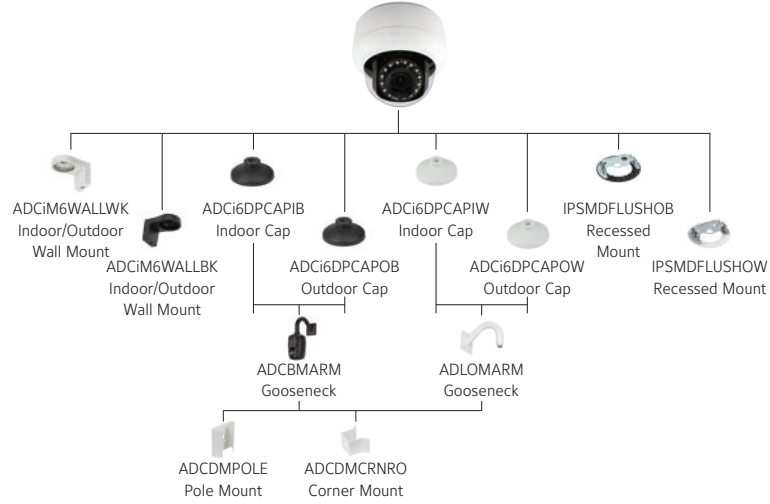


Pro 5MP Fisheye LT

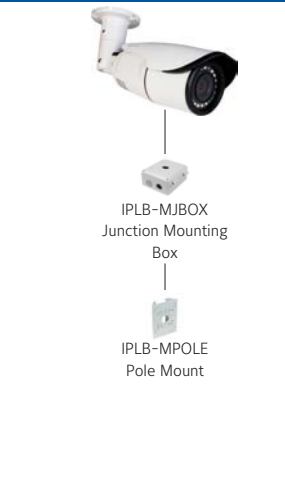


Pro 12MP Fisheye

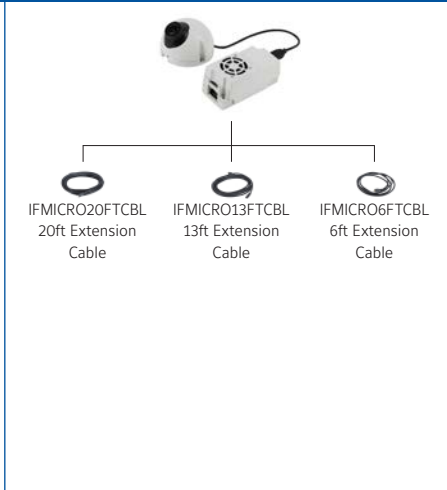
Pro 2MP & 5MP Mini-Domes



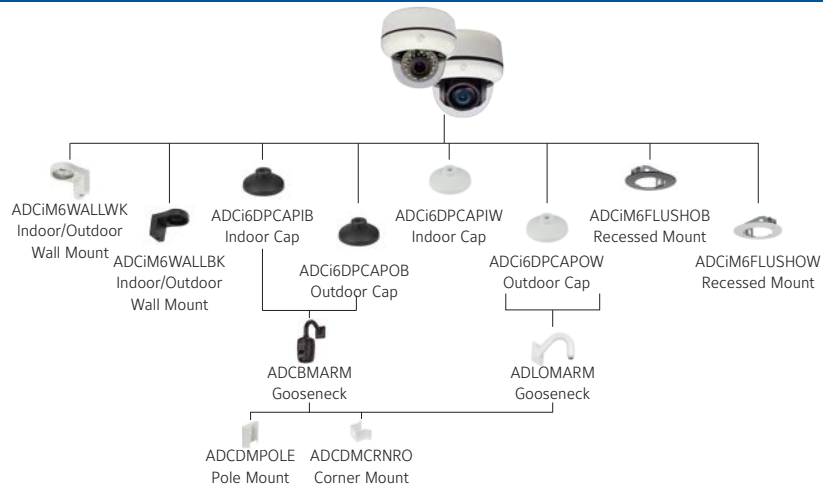
Pro LT 2MP Bullet



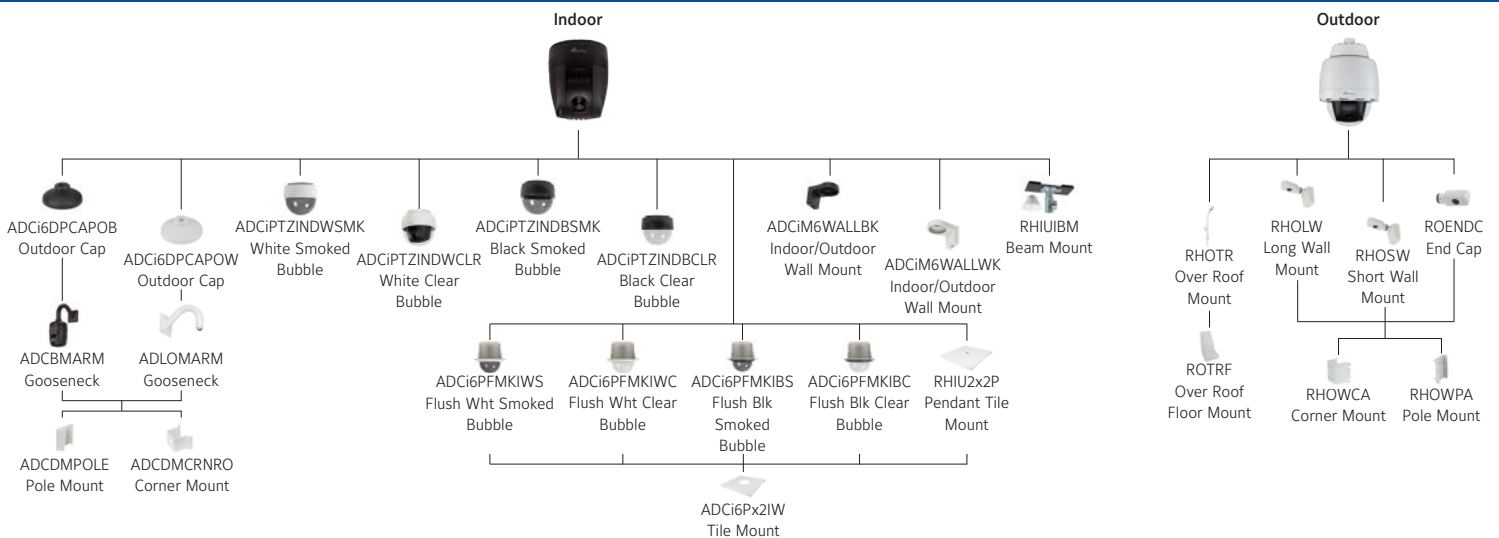
Pro 2MP Micro



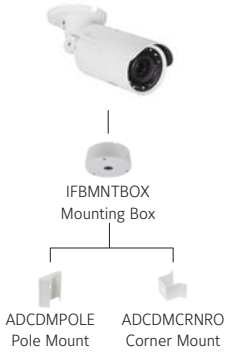
Pro 610/600 Mini-Domes



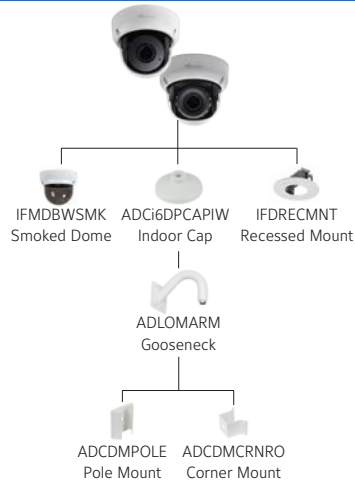
Pro 2MP 30x PTZ



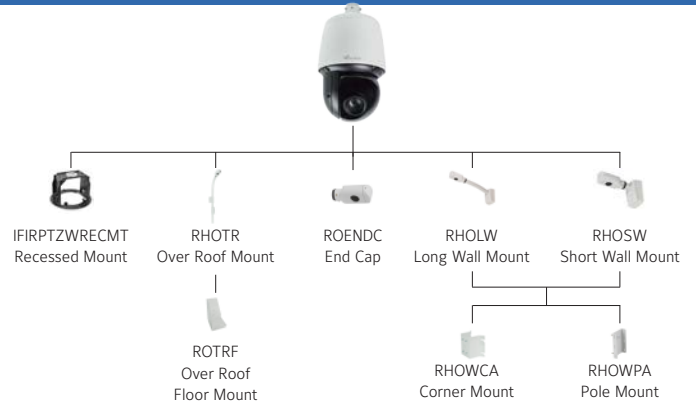
Flex 3MP & 8MP Bullet



Flex 3MP & 8MP Mini-Dome



Flex 2MP IR PTZ



Flex 3MP Box



Flex 4K Box



Flex/Pro 3MP Compact Mini-Dome



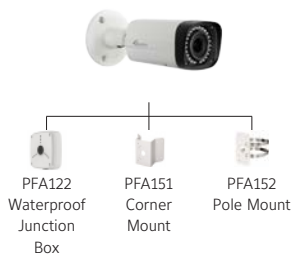
Essentials 2MP Varifocal Mini-Dome



Essentials 2MP Mini-Bullet



Essentials 2MP Varifocal Bullet



Essentials 2MP Outdoor Mini-Dome



IPSMDEBPLATE Plate Mount





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.