

REQUEST FOR PROPOSALS

PROFESSIONAL SERVICES FOR SECURITY CAMERA SERVICE, MAINTENANCE AND ONGOING SUPPORT IN GATEWAY ARCH NATIONAL PARK

Questions and Answers

Updated 11.3.2020

Q1. On page 2 you mention the “Ability to procure camera software, hardware and replacement parts to support the existing and any future upgrades to the camera system.” However, we do not see where it states what exactly the existing camera system is. Please specify so that we may determine our eligibility.

A1. The Park’s five servers and desktop software utilize Victor Unified Client v5.0 platform made by Tyco/American Dynamics. Attached are six specification sheets of cameras currently in the inventory of the Park. Any future upgrades or replacement could be for these cameras and software but not limited to these.

Q2. How many cameras are on the park grounds?

A2. 157 cameras are in the park that would be part of this contract.

Q3. Is there an equipment list? What type of cameras on are the system?

A3. The cameras on the Arch Grounds were included in the first set of Q&A response issued on 10/28 and are attached.

Q4. What sort of response time is needed for “on call services”? Generally, there will be an initial visit and then parts are ordered or sourced and then the issue will be repaired. Does either of these visits need to be within a certain amount of time?

A4. No, it is possible the National Park Service may have spare cameras on hand. It’s understood that issues with fiber transmitters, power supplies etc will need to be ordered. We will convey if the need is urgent for a particular location if/when those issues arise.

Q5. Is there anything that must be included in the Scope of Work?

A5. There is nothing in addition to what is included in the RFP. The final scope of work included in the contract will be developed by the selected firm, Great Rivers Greenway and the National Park Service.

Q6. How often would you prefer the cameras to be cleaned?

A5. All cameras annually, but additional camera cleaning may be requested in certain locations and can be negotiated in the contact. A list of critical locations

can be developed collectively and approached in a manner that is most economical from a time and potential equipment rental aspect.

Q7. Do we need to keep cameras and parts on hand?

A7. You do not need to keep cameras on hand but reasonable spare parts such as fiber transmitters, power source etc could be. If no parts are kept on-hand, indicate how long obtaining some of the more common parts would take.

Q8. Will cameras, network video recorders or other system components be replaced under the contract or will this be done on a time and materials basis?

A8. It would be performed on a time and materials basis with a pre-approved budget provided to Great Rivers Greenway and the National Park Service.

Q9. If a camera fails, do we need to cover the cost to replace it in our bid or will that be billed at that time based upon what is being replaced?

A10. Any equipment replacement costs would be paid for as an additional cost to Great Rivers Greenway or the National Park Service, those anticipated costs should not be included in any base bid. Over a certain threshold, the selected firm would develop specifications for procuring the equipment and provide to Great Rivers Greenway and the National Park Service. At that time one of these firms would procure the equipment according to their procurement policy and the selected firm for this particular contract would be welcomed to submit a bid.

Q11. Is there any other information I may need to consider in our bid?

A11. No.

Illustra 625 PTZ Camera

High Performance/Full 1080p
High-Definition (HD)



Indoor



Outdoor

Features That Make a Difference:

- Ultra-low latency for accurate camera tracking control - analog precision in an HD IP PTZ camera!
- Fastest HD PTZ in the industry - moves to position at 512° per second
- Efficient bandwidth use to reduce network traffic and save on storage costs
- 2MP with dual streams at full 1080p 30ips resolution
- Freeze frame between presets to save on bandwidth and storage
- Real-time continuous auto focus
- Outstanding color reproduction
- Easy to install
- Progressive scan imager with full digital path to output
- Create events with RTP meta-data streaming

The Illustra 625 PTZ camera, both indoor and outdoor, is an ideal choice for businesses that require a high-performance, high-definition (HD) PTZ camera. With sophisticated PTZ control mechanisms for ultra-low latency performance, the camera tracks with the precision and accuracy of an analog PTZ camera.

The high-speed Illustra 625 PTZ camera is excellent for any site where locating, tracking and zooming in on the details of a subject are critical. When using automated presets, programmed tours or manual control to track and zoom in on the suspect, the Illustra 625 PTZ camera delivers premium performance. The camera's multiple, full digital path streams in H.264 or MJPEG 30ips are enabled over an entirely digital path resulting in the delivery of the highest quality video.

The Illustra 625 PTZ camera is the fastest HD PTZ in the industry. With DC servo motors and exceptional gearing and braking designs, the Illustra 625 PTZ camera delivers pan and tilt speed performance and accuracy that surpass the maximum speed and return-to-position accuracy of all competitive PTZ cameras. When using programmed presets and tours, the Illustra 625 PTZ camera moves to position at an amazing 512° per second. When using the camera in automated modes, the Illustra 625 PTZ camera delivers HD video from scene to scene in fractions of a second.

The true differentiators of this PTZ camera's speed are accuracy and precision. With an accuracy rating of +/- 0.25° the camera will continually return and deliver video of the scenes that are set. By using the freeze frame feature between presets and tours, the Illustra 625 PTZ camera minimizes network bandwidth use and storage costs by automatically eliminating unusable video of a scene created when the camera moves between presets.

The camera uses ZAP (zoom adjusted program) technology that automatically controls the pan and tilt speed of the camera in proportion to the amount of zoom used.

The Illustra 625 PTZ camera uses the latest technology and H.264 compression to deliver bandwidth that is a fraction of the bandwidth used by competitive 1080p HD PTZ cameras. This will reduce network traffic and save on storage costs.

The Feature Plus models of the Illustra 625 PTZ use the SD card for video alarm storage and audio output pre-recorded clips. The Feature Plus models can provide bi-directional audio, alarm inputs, and auxiliary outputs where necessary.

The Illustra 625 PTZ camera's "future-proof" hardware platform allows you to update the camera's firmware with analytics and feature enhancements as they become available. These include events, motion detection, advance health monitoring and edge recording.



Features

ONVIF 2.2 Profile S

The Illustra 625 PTZ camera supports the complete feature set of the ONVIF 2.2 profile S specification allowing for highly capable integration on recording platforms that support this specification.

Ultra-low Latency and Accurate Motion Control

The Illustra 625 PTZ camera has a unique combination of high-performance video processing hardware and precision direct-drive motors with smooth motor control. This delivers precise pan and tilt control with ultra-low latency. The camera supports 96 programmable presets and moves to presets with sustained accuracy at a speed of 512° per second.

Easy Installation

The Illustra 625 PTZ camera is supported by the latest version of the Illustra Connect camera configuration software. Using Illustra Connect, batch setup features for IP address assignment makes the setup of multiple cameras automatic.

Along with several PTZ mounting options, the Illustra 625 PTZ camera is compatible with the Illustra 600 Series Mini-Dome mounts and many of the existing IP SpeedDome Outdoor mounts. So if you're upgrading an existing IP SpeedDome camera to the new Illustra 625 PTZ camera, it is likely you can use the camera mount already installed.

The Indoor 625 PTZ camera comes with a unique twist and click lock ring saving time and money for every camera installed. Simply insert the camera into the mount, twist and click into place.

Indoor Bubble Cover and Mounting Options



Bubble Cover

ADCi625-P132
ADCiPTZINDWCLR

Available in black or white with clear or smoked bubble



Wall Mount

ADCi625-P132
ADCiM6WALLBK

ADCi625-P132
ADCiPTZINDWCLR
ADCiM6WALLWK

Available in black or white and can be used with a black or white bubble, cover with clear or smoked bubble cover



*Flush Mount with Bubble

ADCi625-P132
ADCi6PFMKIWK

Lowest profile indoor installation with only 4.5" visible below the ceiling

Bubble available in clear or smoked with white or black trim ring



Gooseneck Mount (with Pendant Cap)

ADCi625-P132
ADCi6DPCAPOB
ADCBMARM

ADCi625-P132
ADCiPTZINDWCLR
ADCi6DPCAPOW
ADLOMARM

Available in black or white, and can be used with black or white bubble cover with clear or smoked bubble

*Available for plenum-rated installations

Specifications

Camera

Resolutions 1080p (1920 x 1080); HD+ (1600 x 900)
 720p (1280 x 720); PAL+ (1024 x 576)
 qHD (960 x 540); 800 x 450
 nHD (640 x 360); 480 x 270
 320 x 180; 160 x 90

Max Frame Rate 1080p at 30ips

Imager 1/2.8" Progressive CMOS Exmor™,
 2 megapixel, solid state

Scanning System Progressive

Wide Dynamic Range Yes

True Day/Night Yes

Minimum Scene Illumination 0.4 lux color, AGC on, 1/8s
 0.04 lux, b/w, AGC on, 1/8s

Auto Tracing White Balance Yes, adjustable

Shutter Speed (Auto) 1/2 - 1/30,000 sec

Lens 20x optical zoom

Horizontal Field of View 55.2° (wide); 2.9° (telephoto)

Aperture (Aspherical Design) F1.6-F3.5 (wide-telephoto)

Focal Length 4.7mm-94mm (wide-telephoto)

Supported Codecs H.264 and MJPEG up to 1080p 30ips

Feature Plus Models

Alarm Inputs 4

Auxiliary Output One form 1-C relay

Audio Compression PCM, G711A, G711U

Operational

Manual Pan/Tilt 0.25°-100° per second (based on
 zoom manual position)

Preset Pan/Tilt Speed 512° per second, maximum

Pan Travel 360° continuous

Tilt Travel 105°; 210° with the tilt auto flip feature

Pan/Tilt Accuracy ± 0.25°

Zoom/Focus Accuracy ± 0.5%

Programmable Presets/Patterns/Sequences/
 Areas/Privacy Zones 96/16/16/16/32

Direction Indicators Yes

Menu Languages Arabic, Chinese (Simplified),
 Chinese (Traditional), Czech, Danish, English (default), French, German,
 Hungarian, Italian, Japanese, Korean, Dutch, Polish, Portuguese, Spanish,
 Swedish, Turkish

Network

Interface Ethernet 10/100Base-TX

Ethernet Port RJ-45

Supported Protocols IPv4, IPv6, TCP/IP, UDP/TLS, SSH, HTTP,
 HTTPS, SOAP, FTP, SMTP, SNMP, RTP, RTSP, DDNS, DHCP, DNS, NTP,
 WS-Discovery, WS-Addressing, WS-Security, multicast

Electrical

Power 24 VAC; PoE+ IEEE 802.3at,
 Class 4 (Indoor only)

Input Voltage 22 to 30 VAC, Class 2 LPS

Line Frequency 50/60 Hz

Max. Current

Indoor 1.4 amps RMS (25.5W max.)

Outdoor 2.8 amps RMS (85VA and 75W max.) Power

Connector 3-position, 3.5mm euro style connector

Surge Protection

Connectors Yes, on all electrical inputs/outputs

Data and Power RJ-45 for 10/100BaseT

Feature Plus Models

Auxiliary Outputs 4input and 1 output 3.5mm pluggable
 euro-style screw terminal blocks

Audio/Video cable assembly, electret microphone input
 and audio output

Mechanical

Indoor

Height (Includes Base) 178 mm (7.01 in)

Diameter 154 mm (6.06 in)

Weight 2.06 kg (4.5 lb)

Color

Camera Black

Bubble Black (Pantone C) or white (RAL 9003)
 cover with clear or smoked bubble

Outdoor

Height (Includes Base) 372 mm (14.65 in)

Diameter 257 mm (10.12 in)

Weight (Base and Bubble) 6.6 kg (14.6 lb)

Color (Bubble) White (RAL 9003) housing with
 clear or smoked bubble

Profile Measurements for Indoor installation Options

	Ceiling Surface Mount without Bubble	Ceiling Surface Mount with Bubble	Recessed Ceiling Mount with Bubble
Diameter	154 mm (6.06 in)	210 mm (8.27 in)	245 mm (9.65 in) (flange)
Total Height	178 mm (7.01 in)	213 mm (8.39 in)	280 mm (11.02 in)
Height Below Ceiling	191 mm (7.52 in)	213 mm (8.39 in)	116 mm (4.57 in)

Environmental

Operating Temperature

Indoor -10°C to 50°C (14°F to 122°F)

Outdoor -40°C to 50°C (-40°F to 122°F)

Humidity 95% non-condensing

Storage Temperature -20°C to 65°C (-4°F to 149°F)

Regulatory

Emissions FCC: Part 15 Class A,
 CE: EN55022 Class A,
 AS/NZS CISPR 22 Class A,
 ICES-003/NMB-003 Class A

Immunity CE: EN50130-4, EN55024, EN61000-6-1

Safety UL60950-1, IEC 60950-1,
 CSA 22.2 No. 60950, CE: EN60950-1

Outdoor UL 50 (Type 4), EN60529 (IP66)

Environmental RoHS

Illustra 625 PTZ Camera - INDOOR

Model Numbers	Description
Indoor Camera	
ADCi625-P132	Illustra 625 PTZ camera, indoor, 1080p, 20x, no bubble, non-vandal, black
ADCi625-P232	Illustra 625 PTZ, 1080p, 20x indoor, Feature Plus, no bubble, non-vandal, black
Indoor Bubble Cover	
ADCiPTZINDWCLR	Illustra 625 PTZ clear bubble cover, indoor, non-vandal, white
ADCiPTZINDWSMK	Illustra 625 PTZ smoked bubble cover, indoor, non-vandal, white
ADCiPTZINDBCLR	Illustra 625 PTZ clear bubble cover, indoor, non-vandal, black
ADCiPTZINDBSMK	Illustra 625 PTZ smoked bubble cover, indoor, non-vandal, black
Indoor Mounts	
ADCi6PFMKIWC	Illustra 625 PTZ recessed flush mount, indoor, clear bubble, white
ADCi6PFMKIWS	Illustra 625 PTZ recessed flush mount, indoor, smoked bubble, white

Illustra 625 PTZ Camera - INDOOR

Model Numbers	Description
ADCi6PFMKIBC	Illustra 625 PTZ recessed flush mount, indoor, clear bubble, black
ADCi6PFMKIBS	Illustra 625 PTZ recessed flush mount, indoor, smoked bubble, black
Additional Indoor Mounts – Compatible with Illustra 625 PTZ Indoor Camera	
Illustra 600 Series Mini-Dome	
ADCiM6WALLBK	Illustra 600 Series indoor/outdoor wall mount kit, black, with adapter
ADCiM6WALLWK	Illustra 600 Series indoor/outdoor wall mount kit, white, with adapter
ADCi6DPCAPOW	Illustra 600 Series pendant cap kit, white, with adapter
ADCi6DPCAPOB	Illustra 600 Series pendant cap kit, black, with adapter
ADLOMARM	Gooseneck arm, white
ADCBMARM	Gooseneck arm, black
ADCDMPOLE	Pole mount adapter
ADCDMCRNRO	Outside corner mount adapter
IP SpeedDome Mounts	
RHIUBM	I-Beam mount
RHIU2x2P	2 x 2 tile pendant
RHIU3x3	3.5 x 3.5 mounting plate
RHIU4x4	4 x 4 mounting plate
RHIUCM	Wall corner mount
Additional Supplies	
ADPOE-Plus	PoE+ single port midspan
0300-0914-03	Universal transformer output, 24 VAC/ 45 VA

Illustra 625 PTZ Camera - OUTDOOR

Model Numbers	Description
Outdoor Camera	
ADCi625-P121	Illustra 625 PTZ camera, outdoor, 1080p, 20x, clear, vandal, white
ADCi625-P122	Illustra 625 PTZ camera, outdoor, 1080p, 20x, clear, non-vandal, white
ADCi625-P123	Illustra 625 PTZ camera, outdoor, 1080p, 20x, smoked, vandal, white
ADCi625-P124	Illustra 625 PTZ camera, outdoor, 1080p, 20x, smoked, non-vandal, white
ADCi625-P221	Illustra 625 PTZ, outdoor, Feature Plus, clear, vandal, white
ADCi625-P222	Illustra 625 PTZ, outdoor, Feature Plus, clear, non-vandal, white
ADCi625-P223	Illustra 625 PTZ, outdoor, Feature Plus, smoked, vandal, white
ADCi625-P224	Illustra 625 PTZ, outdoor, Feature Plus, smoked, non-vandal, white
SpeedDome Mounts – Compatible with Illustra 625 PTZ Camera	
RHOSW	Short wall mount with end cap
RHOLW	Long wall mount with end cap
RHOTR	Over the roof mount
ROTRF	Over the roof mount adapter
RHOWCA	Corner bracket adapter
RHOWPA	Pole strap
ROENDC	End cap assembly
Additional Supplies	
ADSPOT	Power supply, one output, 120/240 VAC to 24 VAC

Refer to the Camera Accessories tab at <http://www.americandynamics.net> for more detailed information on the Illustra 600 Series Mini-Dome and IP SpeedDome Mounts.

Related Products



VideoEdge NVR



VideoEdge Hybrid



victor



exacqVision NVR

Approvals



www.americandynamics.net

Flex

IP Mini-Domes

Affordable and Versatile

Features That Make a Difference:

- 1MP or 3MP resolution for true HD quality images
- Operating temperature to -40°C using PoE (Outdoor only)
- True Day/Night (TDN) functionality for a true colour image
- 3D noise reduction for sharper images and lower bandwidth use in low light
- IR illuminators for clear images in low light conditions (Outdoor only)
- Motion detection for instant alerts of intruders
- IP66-rated enclosure to protect against dust and water damage (Outdoor only)
- IK10 vandal-resistant housing (Outdoor only)
- A variety of mounting options for quick and easy installation
- ONVIF Profile S



Indoor



*Outdoor

The versatile Illustra Flex Mini-Dome, Indoor or Outdoor, is a True Day/Night network camera that provides 1MP or 3MP full HD resolution for high quality images. H.264 and MJPEG video compression provides excellent image clarity, and efficient bandwidth and video storage.

With a small, aesthetically pleasing design, the affordably priced Illustra Flex Mini-Dome offers an effective solution for retail stores, schools, small bank branches and small to medium size offices with a tight budget and a variety of surveillance needs. With multiple mounting options making it easy to install, these cameras can be strategically placed to blend into most interior locations such as the check-out at a retail store, the lobby/corridor of an elementary school or inside a 24 hour ATM vestibule.

Featuring built-in IR illuminators, the outdoor Illustra Flex Mini-Dome produces clear images at an effective distance up to 50m in a variety of low light conditions. The improved second generation outdoor Mini-Domes maintain their IK10 vandal resistance and have low temperature performance to -40°C (-40°F) using standard PoE (802.3at) power. With an IP66-rated enclosure, this outdoor mini-dome is ideal in situations where dust or water could damage the camera such as a loading bay, car park or off-site warehouse.

*For indoor installations that require a vandal-resistant mini-dome, the Outdoor model can be used.

Specifications

	1MP		3MP	
Operational	Indoor	Outdoor	Indoor	Outdoor
Video Compression	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Max Frame Rate	1280x720@30ips	1280x720@30ips	2048x1536@15ips 1920x1080@30ips	2048x1536@15ips 1920x1080@30ips
ONVIF-Compliant	Profile S	Profile S	Profile S	Profile S
Analogue Video Output	Yes	Yes	Yes	Yes
Resolution	(1280x720) 720p, (800x600) SVGA, (720x480) D1 (640x480) VGA, 640x360, (352x240) CIF		2304x1296, (2048x1536) QXGA, (1920x1080) 1080p, (1280x960) SXGA, (1280x720) 720p, (800x600) SVGA, (720x480) D1, (704x480) 4CIF, (640x480) VGA, (352x240) CIF	
Imager	1/4" CMOS	1/4" CMOS	1/3" CMOS	1/3" CMOS
True Day/Night	Yes	Yes	Yes	Yes
IR Illumination	N/A	15M	N/A	15M
Motion Detection	Yes	Yes	Yes	Yes
Privacy Zones	Yes	Yes	Yes	Yes
Alarm Input/Output	1/1	1/1	1/1	1/1
Audio Input/Output	1/1	1/1	1/1	1/1
Video Streams	Triple	Triple	Triple	Triple
Minimum Illumination				
Colour	0.94 lux	0.94 lux	0.3 lux	
B/W	0.29 lux		0.1 lux	
With IR	N/A	0 lux	N/A	
WDR	Yes	Yes	Yes	Yes
Field of View (H/V)				
Wide Angle	67°/36°	74°/40°	88°/65°	86°/62°
Telephoto	22°/14°	24°/14°	30°/23°	30°/23°
Lens Type	varifocal 2.8~10mm	varifocal 2.8~10mm	varifocal 3~9mm	varifocal 3~9mm
Supported Languages	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, Dutch, English (default), Finnish, French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, Dutch, English (default), Finnish, French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, Dutch, English (default), Finnish, French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, Dutch, English (default), Finnish, French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish
Network				
Ethernet Port	RJ-45	RJ-45	RJ-45	RJ-45
Supported Protocols	IPv4, IPv6, HTTP,HTTPS, TCP, RTSP/RTCP/RTP, ICMP, UDP, IGMP, DNS, DHCP, ARP, NTP, SNMP, 802.1x	IPv4, IPv6, HTTP,HTTPS, TCP, RTSP/RTCP/RTP, ICMP, UDP, IGMP, DNS, DHCP, ARP, NTP, SNMP, 802.1x	IPv4, IPv6, HTTP,HTTPS, TCP, RTSP/RTCP/RTP, ICMP, UDP, IGMP, DNS, DHCP, ARP, NTP, SNMP, 802.1x	IPv4, IPv6, HTTP,HTTPS, TCP, RTSP/RTCP/RTP, ICMP, UDP, IGMP, DNS, DHCP, ARP, NTP, SNMP, 802.1x
Configuration Management				
Web Browser	Internet Explorer 8.0 or above	Internet Explorer 8.0 or above	Internet Explorer 8.0 or above	Internet Explorer 8.0 or above
Security	Multiple user access levels with password protection	Multiple user access levels with password protection	Multiple user access levels with password protection	Multiple user access levels with password protection
Onboard Storage				
Card Support	Micro SDHC/SDXC (up to 64GB)	Micro SDHC/SDXC (up to 64GB)	Micro SDHC/SDXC (up to 64GB)	Micro SDHC/SDXC (up to 64GB)
Simultaneous Users				
	1 Administrator, 5 Viewers	1 Administrator, 5 Viewers	1 Administrator, 5 Viewers	1 Administrator, 5 Viewers
Electrical				
Power Input	PoE IEEE 802.3af class 0, DC12V, AC24V	PoE IEEE 802.3af class 0, AC24V	PoE IEEE 802.3af class 0, DC12V, AC24V	PoE IEEE 802.3af class 0, AC24V
Power Draw	6W (PoE, AC24V)	11.5W (PoE) 26W (AC24V)	7W	11.5W (PoE), 26W (AC24V)
Physical				
Dimensions (WxH)	125mm x 106mm	147mm x 140mm	125mm x 106mm	147mm x140mm
Weight	0.5 kg	1.25 kg	0.5 kg	1.25 kg
Housing Colour	Grey	Grey	Grey	Grey
Operating Temperature	-10°C to 50°C	-40°C to 50°C	-10°C to 50°C	-40°C to 50°C
Vandal Resistant	N/A	IK10	N/A	IK10
Outdoor Rating	N/A	IP66	N/A	IP66
Regulatory				
Emissions	FCC Part 15 Class A; EN55022 Class A; AS/NZS CISPR 22 Class A; ICES-003/NMB-003 Class A	FCC Part 15 Class A; EN55022 Class A; AS/NZS CISPR 22 Class A; ICES-003/NMB-003 Class A	FCC Part 15 Class A; EN55022 Class A; AS/NZS CISPR 22 Class A; ICES-003/NMB-003 Class A	FCC Part 15 Class A; EN55022 Class A; AS/NZS CISPR 22 Class A; ICES-003/NMB-003 Class A
Immunity	EN55024	EN55024	EN55024	EN55024
Safety	EN60950-1; UL60950-1; IEC 60950-1; CSA 22.2 No. 60950	EN60950-1; UL60950-1; IEC 60950-1; CSA 22.2 No. 60950	EN60950-1; UL60950-1; IEC 60950-1; CSA 22.2 No. 60950	EN60950-1; UL60950-1; IEC 60950-1; CSA 22.2 No. 60950
Environment	RoHS/WEEE	RoHS/WEEE	RoHS/WEEE	RoHS/WEEE

Ordering Information

Model Numbers	Description
ADCi600F-D021A	Illustra Flex 1MP Mini-Dome, 2.8-10mm, outdoor, vandal, clear, white, TDN, WDR
ADCi600F-D111A	Illustra Flex 1MP Mini-Dome, 2.8-10mm, indoor, non vandal, clear, white, TDN, WDR
ADCi800F-D111	Illustra Flex 3MP Mini-Dome, 3-9mm, indoor, non vandal, clear, white, TDN, WDR
ADCi800F-D021A	Illustra Flex 3MP Mini-Dome, 3-9mm, outdoor, vandal, clear, white, TDN, WDR

Model Numbers	Description
Mounting Options - Indoor	
ADCi6DPCAPIW	Illustra 600/610/Illustra Flex Indoor Dome pendant cap - white
Mounting Options - Outdoor	
ADCi6FLUSHOW	Flush Mount kit, outdoor dome, white
ADCi6DPCAPOW	Illustra 600/610/Illustra Flex Outdoor Dome pendant cap - white
ADCi6WALLWK	Wall Mount kit, indoor/outdoor - white
Other Mounting Accessories	
ADLOMARM	Gooseneck arm - white
ADCDMCRNRO	Outside corner mount adapter
ADCDMPOLE	Pole mount adapter

Related Products



VideoEdge
NVR



exacqVision
NVR



victor

Approvals



www.illustracameras.com

Illustra 825 Fisheye Camera



Non Vandal-Resistant



Vandal-Resistant

Features That Make A Difference:

- 5MP imager for super high quality images
- 360°/180° panoramic views of wide areas
- Single or multiple fixed views for forensic investigations
- Onboard dewarping 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
- Quick and easy installation
- Vandal-resistant model available
- ONVIF 2.4 profile S compliant

The Illustra 825 Fisheye Camera with a 5MP sensor provides a 180° panoramic view when mounted on the wall, or a 360° bird's eye view when mounted on a ceiling. The lens captures an ultra-wide field of view looking in all directions in real-time. The camera's onboard dewarping technology provides distortion corrected video streaming of 180°, 360° panoramic 16:9 or active 4:3 views.

The Illustra 825 Fisheye is ideal for applications such as retail stores, expansive indoor parking areas, casinos, building lobbies, elevator banks, corridor intersections and university lecture halls where situational surveillance covering a wide area can be achieved using a single camera. The Illustra 825 Fisheye Camera is always looking in all directions to capture all activity. The camera produces single or multiple fixed views should forensic investigations be required.

The ePTZ movements of the Illustra 825 Fisheye Camera are ultra smooth creating even transition between pan, tilt and zoom movements. Multiple streams of H.264 and MJPEG video compression provide excellent image clarity while efficiently managing bandwidth to reduce storage costs. In addition, the camera's built-in micro SDHC card slot enables several days of recording to be stored locally on a memory card.

The Illustra 825 Fisheye Camera's sleek, discreet design allows it to blend into any environment for inconspicuous surveillance. The vandal-resistant model protects the camera against external impacts that might occur if an intruder was attempting to take the camera out of operation. It's extremely easy to install and simple to set up. A built-in web server provides easy configuration. In addition, when used with the Illustra Connect software tool, discovery, snapshot, configuration, IP address assignments, diagnostics and firmware upgrades take no time at all.

Specifications

Camera

Video Compression	H.264/MJPEG
Max Frame Rate	14ips (all resolutions)
ONVIF Compliant	ONVIF 2.4 profile S
Resolutions	
Fisheye	1936x1936
Active Image 1-4	960x540
	800x450
	640x360
	480x270
	320x180
Wall/Ceiling Panorama	1920x1080
	1600x900
	1280x720
	1024x576
	960x540
	800x450
	640x360
	480x270
	320x180
Imager	Type 1/2.5" 5MP CMOS sensor
Minimum Illumination	1.2 lux
Shutter	AES (Automatic Electronic Shutter)
Lens Focal Length	1.37mm
Aperture	2.0
Field of View	183°
ePTZ	Digital pan/tilt/zoom, presets, sequences, patterns, scans
White Balance	Auto Normal, Auto Wide, and Manual
Alarms	Motion detection
Wide Dynamic Range	82dB
Privacy Zones	Yes, 4
Menu Languages	English (default), Arabic, Czech, Danish, German, Spanish, French, Hungarian, Italian, Korean, Japanese, Dutch, Polish, Portuguese, Swedish, Turkish, Chinese Traditional, Chinese Simplified

Network

Ethernet	10/100Base-T
Supported Protocols	TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, TLS, Unicast, Multicast, NTP, SMTP, WS-Security

Configuration Management

Onboard Storage

Card Type	Micro SDHC up to 32GB
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Electrical

Power	PoE 802.3af Class 3
Power Consumption	<12.95W

Physical

Body Diameter	149 mm (5.85 in)
Height	
Vandal-Resistant	74 mm (2.91 in)
Non Vandal-Resistant	60 mm (2.36 in)
Weight	
Vandal-Resistant	0.750 kg
Non Vandal-Resistant	0.730 kg
Color	White (RAL 9003)

Environmental

Operating Temperature	-10°C to 45°C (14°F to 113°F)
Humidity	95% non-condensing

Regulatory

Emissions	FCC CFR 47 Part 15 Class A, AS/NZS CISPR22 Class A, ICES-003/NMB-003 Class A, EN 55022
Immunity	EN50130-4, EN 61000-6-1, IEC 62599-2, EN55024
Safety	UL 60950-1, CSA-C22.2 No. 60950, EN 60950-1, IEC 60950-1
Environmental	RoHS, EU Directive 2011/65/EU WEEE, EU Directive 2002/96/EC
Impact Rating	IK10

Ordering Information

Model Numbers	Description
Cameras*	
ADCi825-F311	Illustra 825 Fisheye, 5MP, vandal-resistant
ADCi825-F312	Illustra 825 Fisheye, 5MP, non vandal-resistant
Mounts	
ADCiM6WALLWK	Illustra 600 Indoor/Outdoor Wall Mount
ADCi6DPCAPOW	Illustra 600 Outdoor Pendant Cap

* Includes double gang box/mount adapter plate



Illustra 825 Fisheye video stream views in victor/VideoEdge 4.4



Related Products



victor client



VideoEdge NVRs and Hybrid



exacqVision NVR

Approvals



www.americandynamics.net

Flex

2MP PTZ 20x



Outdoor Model



Indoor Model

Features That Make a Difference:

- 20x Optical Zoom/10x Digital Zoom
- 2MP 1080p H.264 @ 30ips
- Wide Dynamic Range
- True Day/Night
- Triple Stream Support
- 2D Noise Reduction
- Auto-defog
- Operating temperature -40° C/F
- IK10 Vandal Rated
- IP66-rated enclosure (outdoor model)
- Recessed mounting option for both indoor and outdoor models

The Illustra Flex 2MP 20X PTZ uses H.264 encoding technology allowing for full 1080p capture @30ips. The PTZ has 20x optical zoom with continuous auto-focus plus 10X digital zoom allowing for effective video surveillance over long distance.

The camera is capable of delivering multiple video streams making it adaptable for most system applications and offers encoding options allowing for streamlined bandwidth use and lower overall ongoing cost of ownership.

Supporting alarm I/O, audio I/O, motion detection and a complete set of video stream controls including WDR, auto-defog, backlight control and noise reduction, the Flex 2MP PTZ offers full spectrum functionality to meet most all requirements. Outdoor PTZ models have integrated heating and support -40° C/F using 60W PoE+ power making the installation of outdoor cameras easier.

The combination of advanced features and video quality make the Illustra Flex 2MP 20X PTZ an outstanding choice for applications that value reliable PTZ functionality at an economical price.



In airports, PTZ functionality is essential for monitoring heavily trafficked, widespread areas.



Parking lots present unique challenges with weather challenges and the possibility of vandalism.



Specifications

Operational	
PTZ Zoom	Optical - 20X, Digital - 10X
Resolution	(1920x1080) 1080p (1024x576) PAL+ (1664x936) (640x360) nHD (1280x720) 720p (384x216)
Focus	Continuous auto-focus
White Balance	Auto / Indoor / Outdoor / One Push / ATW / Manual
Iris Control	Auto / P-Iris / Shutter Priority / Iris Priority / Manual
Electronic Shutter	1/1 ~ 1/10000 sec.
AGC Control	Auto / Manual
Backlight Compensation	On / Off
Video Compression	MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile
Max Frame Rate	H.264/MJPEG 1080P @ 30fps
ONVIF-Compliant	Profile S, G, Q
Analog Video Output	NTSC/PAL BNC
Imager	1/2.8" CMOS
Day/Night	True day/night
Motion Detection	Yes
Privacy Zones	16
Alarm Input/Output	4 inputs, 2 outputs
Audio Input/Output	G.711 / G.726, Two-way Audio
Video Streams	Up to 3 depending on resolution
Minimum Illumination	
Color	1 Lux 1/30s; 0.1 Lux 1/4s
B/W	0.01 Lux 1/4s
Wide Dynamic Range	Yes
Field of View (H/V)	
Focal Length	20X optical, 4.7 ~ 94 mm
Wide Angle	57° (H); 33° (V)
Telephoto	3.8° (H); 2.2° (V)
PTZ Operational	
Pan Travel	360° endless
Tilt Travel	-10° ~ 190°
Manual Speed	0.5° ~ 90°/s
Presets	256
Preset Accuracy	0.225°
Preset Speed	5° ~ 400°/s
Sequence	8
Pattern	4
Tours	8
Home Function	Preset / Sequence / Auto pan / Cruise
Auto Flip	Yes
Image Rotation	Flip / Mirror / Inverse
Defog	Yes
Noise Reduction	2D
Supported Languages	Arabic, Czech, Chinese (Simplified), Chinese (Traditional), Danish, Dutch, English (US), French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazilian), Russian, Spanish, Turkish
Network	
Interface	Ethernet 1Gbps Ethernet
Ethernet Port	RJ-45
Supported Protocols	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF, ARP
Configuration Management	
Web Browser	Internet Explorer (10.0+)
Security	HTTPS, IEEE 802.1X For more information on the Cyber Protection Program and to sign-up for Security Advisories visit https://tycosecurityproducts.com/CyberProtection/CyberProtection.aspx
Onboard Storage	
Card Support	Up to 64GB microSDXC
Electrical	
AC Power	24 VAC -10% to +20% Indoor: 25W Outdoor: 57W
PoE Power	802.3at PoE+ Indoor: 23W Outdoor: 55W
Physical	
Dimensions (WxH)	Indoor - 171.7 x 228.7 mm (6.7 x 9 in.) / Outdoor 191.9 x 282.1 mm (7.5 x 11.1 in.) w/ Sunshield
Weight	Indoor - 1.6 kg (3.57 lb) / Outdoor 2.3 kg (5.11 lb) w/ Sunshield
Housing Color	White (RAL 9003)
Operating Temperature	Indoor - 0°C ~ 40°C (32°F ~ 104°F) / Outdoor -40°C ~ 50°C (-40°F ~ 122°F)
Vandal Resistant	Yes, IK10
Outdoor Rating	IP66
Regulatory	
Emissions	FCC Part 15 Class A; EN55022 Class A; AS/NZS CISPR 22 Class A; ICES-003/NMB-003 Class A
Immunity	EN55024; EN50130-4
Safety	EN60950-1; UL60950-1; IEC 60950-1; CSA 22.2 No. 60950

Ordering Information

Model	Description
IFS02P5ICWTY	Illustra Flex 2MP PTZ, 20x, indoor, vandal, clear, white, TDN, WDR
IFS02P5OCWTY	Illustra Flex 2MP PTZ, 20x, outdoor, vandal, clear, white, TDN, WDR

Accessories

IFPTZIWPCAP	Illustra Flex PTZ indoor pendant cap
IFPTZWARM	Illustra Flex PTZ pendant arm mount
IFPTZWRECMT	Illustra Flex PTZ indoor and outdoor recessed mount
IFPTZORECADTR	Illustra Flex PTZ outdoor adapter for use with recessed mount
IFPTZLANADTR	Illustra Flex PTZ lanyard adapter for 1 1/2" pipe
IFPTZBWSMK	Illustra Flex PTZ smoked vandal bubble

Outdoor Mounting Options

RHOSW	Short Wall Mount with End Cap
RHOLW	Long Wall Mount with End Cap
RHOTR	Over the Roof Mount

Outdoor Adapter Options

ROTRF	Over the Roof Floor Mount
RHOWCA	Corner Bracket Adapter
RHOWPA	Pole Strap
ROENDC	End Cap Assembly

Power Supplies

IFPTZPOEPLUS	Illustra Flex outdoor PTZ 1 port PoE+ 60W Midspan
ADSPOT	Power supply, for outdoor domes, 1 output, 120/240 VAC to 24 VAC
0300-0914-03	Universal transformer output 24VAC 45 VA

ILLUSTRACAMERA MODEL KEY

ILLUSTRACAMERA	SERIES	MODEL	RESOLUTION	FORM FACTOR	LENS	ENVIRONMENT HOUSING	BUBBLE	COLOR	DAY/NIGHT/IR	WDR	OTHER
I	E = Essentials	L = Lite	01 = 1MP	B = Bullet	N = None	N = None	N = None	B = Black	C = Color Only	N = No	A = Hardware Update
	F = Flex	P = Plus	02 = 2MP	C = Compact Dome	F = Fixed	A = Indoor NonVandal	C = Clear	G = Gray	I = TDN w/IR	T = Multi-Exposure (>60 Frames)	1 = 2.6mm
	P = Pro	S = Standard	03 = 3MP	D = Dome	0 = 1.8–3mm	B = Outdoor NonVandal	S = Smoked	S = Silver	S = Soft Day/Night	Y = Yes	2 = 2.8mm
	Q = Edge		05 = 5MP	F = Fisheye	1 = 2.8–12mm	I = Indoor Vandal		W = White	T = TDN		3 = 3.7mm
			12 = 12MP	M = Mini-Bullet	2 = 3–9mm	O = Outdoor Vandal					
				P = PTZ	3 = 9–22mm						
				X = Box	4 = 9–40mm						
					5 = 20x						
					6 = 30x						

Related Products



VideoEdge NVR



exacqVision



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Approvals



Driving network video through global standardization

www.illustracameras.com

PRO

2MP 30x PTZ

Features That Make a Difference:

- Leading speed and performance – moves to position at 512° per second
- Ultra-low latency for accurate camera tracking control – analog-like control precision in a full HD, 1080p IP PTZ
- Powerful 30x optical zoom, 12x digital zoom
- Impressive video quality in high contrast lighting with true wide dynamic range 96db
- Advanced features including motion detection, electronic image stabilization, and auto defog
- Superior low light performance with enhanced highlight intensity, whiteout reduction
- Efficient bandwidth use to reduce network traffic and save on storage costs
- Motion tracking analytic with Intelligent Guard Tour feature
- exacqVision Edge Ready
- IK10-rated on outdoor models



Indoor Model



Outdoor Model

The exceptional speed of the Illustra Pro PTZ 30x coupled with ultra-low latency performance gives security personnel the ability to accurately track subjects in mission-critical applications. The camera tracks a scene with the precision you would expect from an analog PTZ camera.

The Illustra Pro PTZ 30x employs zoom-adjusted program (ZAP) technology to automatically control the pan and tilt speed in proportion to the amount of zoom used, delivering precise pan and tilt control. Exceptional gearing and braking designs deliver pan and tilt speeds and accuracy that surpass the maximum speed and return-to-position accuracy of competitive HD PTZ cameras. Using programmed presets and tours, the Illustra Pro PTZ moves into position at 512° per second. In its automated modes, the camera delivers HD video from scene to scene in just fractions of a second.

The 30X PTZ supports motion detection with auto-tracking capability. The intelligent Guard Tour feature combines motion detection, auto-tracking and, preset sequences or scans to allow the PTZ to perform independently using

its embedded intelligence to zoom-in, track, and record suspicious activity in the scene. While moving through a preset tour without an operator controlling the camera, the Guard Tour Feature enables the camera to deliver the video evidence necessary for identifying subject activity in forensic investigations.

With advanced features and functionality, the Illustra Pro PTZ 30x offers superior surveillance. Motion detection, auto-tracking analytics with “Intelligent Guard Tour” feature, electronic image stabilization, True Wide Dynamic Range (TWDR), enhanced intensity control, auto defog and frame noise reduction all work to ensure excellent video quality is maintained in even the most complex lighting environments. Exceptional video quality, HD resolution and advanced optics provide for precise forensic surveillance capability. For example, the 30X PTZ enables reading license plate characters at a distance of over 1000’ from the camera. The combination of advanced features and premium performance make the Illustra Pro 2MP 30X PTZ a must have for any critical infrastructure installations where high performance surveillance is required.



Features

Indoor Bubble Cover and Mounting Options



Bubble Cover
IPS02P6ANBTT
ADCiPTZINDWCLR

Available in black or white with clear or smoked bubble



IPS02P6ANBTT
ADCiM6WALLBK



IPS02P6ANBTT
ADCiPTZINDWCLR
ADCiM6WALLWK

Available in black or white and can be used with a black or white bubble, cover with clear or smoked bubble cover



*Flush Mount with Bubble

IPS02P6ANBTT
ADCi6PFMKIWC

Lowest profile indoor installation with only 4.5" visible below the ceiling

Bubble available in clear or smoked with white or black trim ring



IPS02P6ANBTT
ADCi6DPCAPOB
ADCBMARM



IPS02P6ANBTT
ADCiPTZINDWCLR
ADCi6DPCAPOW
ADLOMARM

Available in black or white, and can be used with black or white bubble cover with clear or smoked bubble

*Available for plenum-rated installations

Profile measurements for indoor installation options

	Ceiling Surface Mount without Bubble	Ceiling Surface Mount with Bubble	Recessed Ceiling Mount with Bubble
Diameter	154 mm (6.06 in)	210 mm (8.27 in)	255 mm (10.04 in) (flange)
Total Height	178 mm (7.01 in)	213 mm (8.39 in)	280 mm (11.02 in)
Height Below Ceiling	191 mm (7.52 in)	213 mm (8.39 in)	125 mm (4.92 in)

Specifications

Camera

Resolutions	1080p (1920 x 1080); HD+ (1600 x 900); 720p (1280 x 720) PAL+ (1024 x 576); qHD (960 x 540); 800 x 450; nHD (640 x 360); 480 x 270; 320 x 180; 160 x 90
Max Frame Rate	1080p at 30ips
Imager	1/2.8" CMOS
Scanning System	Progressive
Wide Dynamic Range	Yes, True WDR 100db
True Day/Night	Yes
Minimum Scene Illumination	0.2 Lux color, AGC on, 1/8s 0.04 Lux b&w, AGC on, 1/8s
Auto Tracing White Balance	Yes, adjustable
Shutter Speed (Auto)	1/2 - 1/30,000 sec
Lens	30x optical zoom; 12x digital zoom
Horizontal Field of View	63.4° (wide); 2.3° (telephoto)
Aperture (Aspherical Design)	F1.4~F4.6 (wide~telephoto)
Focal Length	4.4mm~132mm (wide~telephoto)
Supported Codecs	H.264 and MJPEG up to 1080p 30ips
Feature Plus Models	
Alarm Inputs	4
Auxiliary Output	One Form 1-C relay
Audio Compression	PCM, G711A, G711U
Operational	
Manual Pan/Tilt	0.25°-100° per second (based on zoom manual position)
Preset Pan/Tilt Speed	512° per second, maximum
Pan Travel	360° continuous
Tilt Travel	105°; 210° with the tilt auto flip feature
Pan/Tilt Accuracy	± 0.25°
Zoom/Focus Accuracy	± 0.5%
Programmable Presets/Patterns/Sequences/ Areas/Privacy Zones	96/16/16/16/32
Direction Indicators	Yes
Menu Languages	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, English (default), French, German, Hungarian, Italian, Japanese, Korean, Netherlands, Polish, Portuguese, Spanish, Swedish, Turkish
Network	
Interface	Ethernet 10/100Base-TX
Ethernet Port	RJ-45
Supported Protocols	IPv4, IPv6, TCP/IP, UDP/TLS, SSH, HTTP, HTTPS, SOAP, FTP, SMTP, SNMP, RTP, RTSP, DDNS, DHCP, DNS, NTP, WS-Discovery, WS-Addressing, WS-Security, multicast
Onboard Storage	Micro SD/HC up to 32GB (card not included)

Power	24 VAC; PoE+ IEEE 802.3af, Class 4 (Indoor only)
Input Voltage	22 to 30 VAC, Class 2 LPS
Line Frequency	50/60 Hz
Max. Current	
Indoor	1.4 amps RMS (25.5W max.)
Outdoor	2.5 amps RMS (85VA and 75W max.)
Power Connector	3-position, 3.5mm euro style connector
Surge Protection	
Connectors	Yes, on all electrical inputs/outputs
Data and Power	RJ-45 for 10/100BaseT
Feature Plus Models	
Auxiliary Outputs	4input and 1 output 3.5mm pluggable euro-style screw terminal blocks
Audio/Video	cable assembly, electret microphone input and audio output

Mechanical

Indoor	
Height (Includes Base)	178 mm (7.01 in)
Diameter	154 mm (6.06 in)
Weight	2.06 kg (4.5 lb)
Color	
Camera	Black
Bubble	Black (Pantone C) or white (RAL 9003) cover with clear or smoked bubble
Outdoor	
Height (Includes Base)	372 mm (14.65 in)
Diameter	257 mm (10.12 in)
Weight (Base and Bubble)	6.6 kg (14.6 lb)
Color (Bubble)	White (RAL 9003) housing with clear or smoked bubble

Environmental

Operating Temperature	
Indoor	-10°C to 50°C (14°F to 122°F)
Outdoor	-40°C to 50°C (-40°F to 122°F)
Humidity	95% non-condensing
Storage Temperature	-20°C to 65°C (-4°F to 149°F)

Regulatory

Emissions	FCC: Part 15 Class A, CE: EN55022 Class A, AS/NZS CISPR 22 Class A, ICES-003/NMB-003 Class A
Immunity	CE: EN50130-4, EN55024, EN61000-6-1
Safety	UL60950-1, IEC 60950-1, CSA 22.2 No. 60950, CE: EN60950-1
Outdoor	UL 50 (Type 4), EN60529 (IP66)
Environmental	RoHS
Vandal-Resistant	Outdoor models IK10-rated

PTZ Indoor Model

Model	Description
IPS02P6ANBTT	Illustra Pro 2MP PTZ, 30x, indoor, non-vandal, black, TDN, TWDR
IPP02P6ANBTT	Illustra Pro Feature Plus 2MP PTZ, 30x, indoor, non-vandal, black, TDN, TWDR

PTZ Outdoor Model

IPS02P6OCWTT	Illustra Pro 2MP PTZ, 30x, outdoor, vandal, clear, white, TDN, TWDR
IPS02P6BCWTT	Illustra Pro 2MP PTZ, 30x, outdoor, non-vandal, clear, white, TDN, TWDR
IPS02P6OSWTT	Illustra Pro 2MP PTZ, 30x outdoor, vandal, smoked, white, TDN, TWDR
IPS02P6BSWTT	Illustra Pro 2MP PTZ, 30x, outdoor, non-vandal, smoked, white, TDN, TWDR
IPP02P6OCWTT	Illustra Pro Feature Plus 2MP PTZ, 30x, outdoor, vandal, clear, white, TDN, TWDR
IPP02P6BCWTT	Illustra Pro Feature Plus 2MP PTZ, 30x, outdoor, non-vandal, clear, white, TDN, TWDR
IPP02P6OSWTT	Illustra Pro Feature Plus 2MP PTZ, 30x, outdoor, vandal, smoked, white, TDN, TWDR
IPP02P6BSWTT	Illustra Pro Feature Plus 2MP PTZ, 30x, outdoor, non-vandal, smoked, white, TDN, TWDR

Housing

ADCiPTZINDWCLR	Illustra PTZ indoor housing, clear bubble, non-vandal, white
ADCiPTZINDWSMK	Illustra PTZ indoor housing, smoked bubble, non-vandal, white
ADCiPTZINDBCLR	Illustra PTZ indoor housing, clear bubble, non-vandal, black
ADCiPTZINDBSMK	Illustra PTZ indoor housing, smoked bubble, non-vandal, black
ADCi6PFMKIWC	Illustra 625 PTZ indoor housing, recessed flush mount with clear bubble, white
ADCi6PFMKIWS	Illustra 625 PTZ indoor housing, recessed flush mount with smoked bubble, white
ADCi6PFMKIBC	Illustra 625 PTZ indoor housing, recessed flush mount with clear bubble, black
ADCi6PFMKIBS	Illustra 625 PTZ indoor housing, recessed flush mount with smoked bubble, black

Indoor Mounting Options

RHIU1BM	I-Beam mount
RHIU2x2P	2x2 tile Pendant
RHIU3x3	3.5x3.5 Mounting plate (Only have adapter)
RHIU4x4	4x4 Mounting plate (Only have adapter)
RHIUCM	Wall Corner Mount
ADCi6P2x2IW	2x2 Tile Mount Plate

Indoor Adapter Options

ADCiM6WALLBK	Illustra 600 wall mount indoor outdoor black adapter Kit
ADCiM6WALLWK	Illustra 600 wall mount indoor outdoor white adapter Kit
ADCiM6FLUSHOW	Illustra 600 series Flush Mount Kit Outdoor Dome White
ADCiM6FLUSHOB	Illustra 600 series Flush Mount Kit Outdoor Dome Black
ADCi6DPCAPOW	Illustra 600610 Series Pendant Cap outdoor white, 3/4" NPT
ADCi6DPCAPOB	Illustra 600 Series Pendant Cap outdoor black kit, 3/4" NPT
ADLOMARM	Gooseneck Wall Arm, white
ADCBMARM	Gooseneck Wall Arm, black
ADCDMPOLE	Pole mount adapter (used with Gooseneck mount)
ADCDMCRNRO	Outside corner mount adapter (used with Gooseneck mount)

Outdoor Mounting Options

RHOSW	Short Wall Mount with End Cap
RHOLW	Long Wall Mount with End Cap
RHOTR	Over the Roof Mount

Outdoor Adapter Options

ROTRF	Over the Roof Floor Mount
RHOWCA	Corner Bracket Adapter
RHOWPA	Pole Strap
ROENDC	End Cap Assembly

Power Supplies

ADPOE-Plus	1 port, high power, PoE+ midspan
ADSPOT	Power supply, for outdoor domes, 1 output, 120/240 VAC to 24 VAC

ILLUSTRACAMERA MODEL KEY												
ILLUSTRACAMERA	SERIES	MODEL	RESOLUTION	FORM FACTOR	LENS	ENVIRONMENT HOUSING	BUBBLE	COLOR	DAY/NIGHT/IR	WDR	OTHER	
I	E = Essentials	L = Lite	01 = 1MP	B = Bullet	N = None	N = None	N = None	B = Black	C = Color Only	N = No	A = Hardware Update	
	F = Flex	P = Plus	02 = 2MP	C = Compact Dome	F = Fixed	A = Indoor NonVandal	C = Clear	G = Gray	I = TDN w/IR	T = Multi-Exposure (>60 Frames)		
	P = Pro	S = Standard	03 = 3MP	D = Dome	0 = 1.8—3mm	B = Outdoor NonVandal	S = Smoked	S = Silver	S = Soft Day/Night	Y = Yes		
	Q = Edge		05 = 5MP	F = Fisheye	1 = 2.8—12mm	I = Indoor Vandal		W = White	T = TDN			
				M = Mini-Bullet	2 = 3—9mm	O = Outdoor Vandal						
				P = PTZ	3 = 9—22mm							
				X = Box	4 = 9—40mm							
					5 = 20x							
					6 = 30x							

Related Products



VideoEdge NVR



exacqVision



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Approvals



Driving network video through global standardization

www.illustracameras.com

PRO

2MP 30x PTZ



Indoor Model



Outdoor Model

Features That Make a Difference:

- Leading speed and performance – moves to position at 512° per second
- Ultra-low latency for accurate camera tracking control – analog-like control precision in a full HD, 1080p IP PTZ
- Powerful 30x optical zoom, 12x digital zoom
- Impressive video quality in high contrast lighting with true wide dynamic range 96db
- Advanced features including motion detection, electronic image stabilization, and auto defog
- Superior low light performance with enhanced highlight intensity, whiteout reduction
- Efficient bandwidth use to reduce network traffic and save on storage costs
- Motion tracking analytic with Intelligent Guard Tour feature
- exacqVision Edge Ready
- IK10-rated on outdoor models

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The Illustra Pro PTZ 30x employs zoom-adjusted program (ZAP) technology to automatically control the pan and tilt speed in proportion to the amount of zoom used, delivering precise pan and tilt control. Exceptional gearing and braking designs deliver pan and tilt speeds and accuracy that surpass the maximum speed and return-to-position accuracy of competitive HD PTZ cameras. Using programmed presets and tours, the Illustra Pro PTZ moves into position at 512° per second. In its automated modes, the camera delivers HD video from scene to scene in just fractions of a second.

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Features

Indoor Bubble Cover and Mounting Options



Bubble Cover
 IPS02P6ANBTT
 ADCiPTZINDWCLR

Available in black or white with clear or smoked bubble



IPS02P6ANBTT
 ADCiM6WALLBK



IPS02P6ANBTT
 ADCiPTZINDWCLR
 ADCiM6WALLWK

Available in black or white and can be used with a black or white bubble, cover with clear or smoked bubble cover



*Flush Mount with Bubble
 IPS02P6ANBTT
 ADCi6PFMKIWC

Lowest profile indoor installation with only 4.5" visible below the ceiling

Bubble available in clear or smoked with white or black trim ring



IPS02P6ANBTT
 ADCi6DPCAPOB
 ADCBMARM



IPS02P6ANBTT
 ADCiPTZINDWCLR
 ADCi6DPCAPOW
 ADLOMARM

Available in black or white, and can be used with black or white bubble cover with clear or smoked bubble

*Available for plenum-rated installations

Profile measurements for indoor installation options

	Ceiling Surface Mount without Bubble	Ceiling Surface Mount with Bubble	Recessed Ceiling Mount with Bubble
Diameter	154 mm (6.06 in)	210 mm (8.27 in)	255 mm (10.04 in) (flange)
Total Height	178 mm (7.01 in)	213 mm (8.39 in)	280 mm (11.02 in)
Height Below Ceiling	191 mm (7.52 in)	213 mm (8.39 in)	125 mm (4.92 in)

Specifications

Camera

Resolutions	1080p (1920 x 1080); HD+ (1600 x 900); 720p (1280 x 720) PAL+ (1024 x 576); qHD (960 x 540); 800 x 450; nHD (640 x 360); 480 x 270; 320 x 180; 160 x 90
Max Frame Rate	1080p at 30ips
Imager	1/2.8" CMOS
Scanning System	Progressive
Wide Dynamic Range	Yes, True WDR 100db
True Day/Night	Yes
Minimum Scene Illumination	0.2 Lux color, AGC on, 1/8s 0.04 Lux b&w, AGC on, 1/8s
Auto Tracing White Balance	Yes, adjustable
Shutter Speed (Auto)	1/2 - 1/30,000 sec
Lens	30x optical zoom; 12x digital zoom
Horizontal Field of View	63.4° (wide); 2.3° (telephoto)
Aperture (Aspherical Design)	F1.4~F4.6 (wide~telephoto)
Focal Length	4.4mm~132mm (wide~telephoto)
Supported Codecs	H.264 and MJPEG up to 1080p 30ips
Feature Plus Models	
Alarm Inputs	4
Auxiliary Output	One Form 1-C relay
Audio Compression	PCM, G711A, G711U
Operational	
Manual Pan/Tilt	0.25°-100° per second (based on zoom manual position)
Preset Pan/Tilt Speed	512° per second, maximum
Pan Travel	360° continuous
Tilt Travel	105°; 210° with the tilt auto flip feature
Pan/Tilt Accuracy	± 0.25°
Zoom/Focus Accuracy	± 0.5%
Programmable Presets/Patterns/Sequences/ Areas/Privacy Zones	96/16/16/16/32
Direction Indicators	Yes
Menu Languages	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, English (default), French, German, Hungarian, Italian, Japanese, Korean, Netherlands, Polish, Portuguese, Spanish, Swedish, Turkish
Network	
Interface	Ethernet 10/100Base-TX
Ethernet Port	RJ-45
Supported Protocols	IPv4, IPv6, TCP/IP, UDP/TLS, SSH, HTTP, HTTPS, SOAP, FTP, SMTP, SNMP, RTP, RTSP, DDNS, DHCP, DNS, NTP, WS-Discovery, WS-Addressing, WS-Security, multicast
Onboard Storage	Micro SD/HC up to 32GB (card not included)

Power	24 VAC; PoE+ IEEE 802.3af, Class 4 (Indoor only)
Input Voltage	22 to 30 VAC, Class 2 LPS
Line Frequency	50/60 Hz
Max. Current	
Indoor	1.4 amps RMS (25.5W max.)
Outdoor	2.5 amps RMS (85VA and 75W max.)
Power Connector	3-position, 3.5mm euro style connector
Surge Protection	
Connectors	Yes, on all electrical inputs/outputs
Data and Power	RJ-45 for 10/100BaseT
Feature Plus Models	
Auxiliary Outputs	4input and 1 output 3.5mm pluggable euro-style screw terminal blocks
Audio/Video	cable assembly, electret microphone input and audio output

Mechanical

Indoor	
Height (Includes Base)	178 mm (7.01 in)
Diameter	154 mm (6.06 in)
Weight	2.06 kg (4.5 lb)
Color	
Camera	Black
Bubble	Black (Pantone C) or white (RAL 9003) cover with clear or smoked bubble
Outdoor	
Height (Includes Base)	372 mm (14.65 in)
Diameter	257 mm (10.12 in)
Weight (Base and Bubble)	6.6 kg (14.6 lb)
Color (Bubble)	White (RAL 9003) housing with clear or smoked bubble

Environmental

Operating Temperature	
Indoor	-10°C to 50°C (14°F to 122°F)
Outdoor	-40°C to 50°C (-40°F to 122°F)
Humidity	95% non-condensing
Storage Temperature	-20°C to 65°C (-4°F to 149°F)

Regulatory

Emissions	FCC: Part 15 Class A, CE: EN55022 Class A, AS/NZS CISPR 22 Class A, ICES-003/NMB-003 Class A
Immunity	CE: EN50130-4, EN55024, EN61000-6-1
Safety	UL60950-1, IEC 60950-1, CSA 22.2 No. 60950, CE: EN60950-1
Outdoor	UL 50 (Type 4), EN60529 (IP66)
Environmental	RoHS
Vandal-Resistant	Outdoor models IK10-rated

PTZ Indoor Model

Model	Description
IPS02P6ANBTT	Illustra Pro 2MP PTZ, 30x, indoor, non-vandal, black, TDN, TWDR
IPP02P6ANBTT	Illustra Pro Feature Plus 2MP PTZ, 30x, indoor, non-vandal, black, TDN, TWDR

PTZ Outdoor Model

IPS02P6OCWTT	Illustra Pro 2MP PTZ, 30x, outdoor, vandal, clear, white, TDN, TWDR
IPS02P6BCWTT	Illustra Pro 2MP PTZ, 30x, outdoor, non-vandal, clear, white, TDN, TWDR
IPS02P6OSWTT	Illustra Pro 2MP PTZ, 30x outdoor, vandal, smoked, white, TDN, TWDR
IPS02P6BSWTT	Illustra Pro 2MP PTZ, 30x, outdoor, non-vandal, smoked, white, TDN, TWDR
IPP02P6OCWTT	Illustra Pro Feature Plus 2MP PTZ, 30x, outdoor, vandal, clear, white, TDN, TWDR
IPP02P6BCWTT	Illustra Pro Feature Plus 2MP PTZ, 30x, outdoor, non-vandal, clear, white, TDN, TWDR
IPP02P6OSWTT	Illustra Pro Feature Plus 2MP PTZ, 30x, outdoor, vandal, smoked, white, TDN, TWDR
IPP02P6BSWTT	Illustra Pro Feature Plus 2MP PTZ, 30x, outdoor, non-vandal, smoked, white, TDN, TWDR

Housing

ADCiPTZINDWCLR	Illustra PTZ indoor housing, clear bubble, non-vandal, white
ADCiPTZINDWSMK	Illustra PTZ indoor housing, smoked bubble, non-vandal, white
ADCiPTZINDBCLR	Illustra PTZ indoor housing, clear bubble, non-vandal, black
ADCiPTZINDBSMK	Illustra PTZ indoor housing, smoked bubble, non-vandal, black
ADCi6PFMKIWC	Illustra 625 PTZ indoor housing, recessed flush mount with clear bubble, white
ADCi6PFMKIWS	Illustra 625 PTZ indoor housing, recessed flush mount with smoked bubble, white
ADCi6PFMKIBC	Illustra 625 PTZ indoor housing, recessed flush mount with clear bubble, black
ADCi6PFMKIBS	Illustra 625 PTZ indoor housing, recessed flush mount with smoked bubble, black

Indoor Mounting Options

RHIU1BM	I-Beam mount
RHIU2x2P	2x2 tile Pendant
RHIU3x3	3.5x3.5 Mounting plate (Only have adapter)
RHIU4x4	4x4 Mounting plate (Only have adapter)
RHIUCM	Wall Corner Mount
ADCi6P2x2IW	2x2 Tile Mount Plate

Indoor Adapter Options

ADCiM6WALLBK	Illustra 600 wall mount indoor outdoor black adapter Kit
ADCiM6WALLWK	Illustra 600 wall mount indoor outdoor white adapter Kit
ADCiM6FLUSHOW	Illustra 600 series Flush Mount Kit Outdoor Dome White
ADCiM6FLUSHOB	Illustra 600 series Flush Mount Kit Outdoor Dome Black
ADCi6DPCAPOW	Illustra 600610 Series Pendant Cap outdoor white, 3/4" NPT
ADCi6DPCAPOB	Illustra 600 Series Pendant Cap outdoor black kit, 3/4" NPT
ADLOMARM	Gooseneck Wall Arm, white
ADCBMARM	Gooseneck Wall Arm, black
ADCDMPOLE	Pole mount adapter (used with Gooseneck mount)
ADCDMCRNRO	Outside corner mount adapter (used with Gooseneck mount)

Outdoor Mounting Options

RHOSW	Short Wall Mount with End Cap
RHOLW	Long Wall Mount with End Cap
RHOTR	Over the Roof Mount

Outdoor Adapter Options

ROTRF	Over the Roof Floor Mount
RHOWCA	Corner Bracket Adapter
RHOWPA	Pole Strap
ROENDC	End Cap Assembly

Power Supplies

ADPOE-Plus	1 port, high power, PoE+ midspan
ADSPOT	Power supply, for outdoor domes, 1 output, 120/240 VAC to 24 VAC

ILLUSTRACAMERA MODEL KEY												
ILLUSTRACAMERA	SERIES	MODEL	RESOLUTION	FORM FACTOR	LENS	ENVIRONMENT HOUSING	BUBBLE	COLOR	DAY/NIGHT/IR	WDR	OTHER	
I	E = Essentials	L = Lite	01 = 1MP	B = Bullet	N = None	N = None	N = None	B = Black	C = Color Only	N = No	A = Hardware Update	
	F = Flex	P = Plus	02 = 2MP	C = Compact Dome	F = Fixed	A = Indoor NonVandal	C = Clear	G = Gray	I = TDN w/IR	T = Multi-Exposure (>60 Frames)		
	P = Pro	S = Standard	03 = 3MP	D = Dome	0 = 1.8—3mm	B = Outdoor NonVandal	S = Smoked	S = Silver	S = Soft Day/Night	Y = Yes		
	Q = Edge		05 = 5MP	F = Fisheye	1 = 2.8—12mm	I = Indoor Vandal		W = White	T = TDN			
				M = Mini-Bullet	2 = 3—9mm	O = Outdoor Vandal						
				P = PTZ	3 = 9—22mm							
				X = Box	4 = 9—40mm							
					5 = 20x							
					6 = 30x							

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