

# Pro 2MP 30x PTZ



## Key Features

- 30x zoom can identify important features from over 1,000 feet away
- Intelligent Guard Tour combines motion detection, auto-tracking, and preset sequences
- Outdoor model rated IK10 for vandal-resistance and IP66 against weather and dust damage
- Ultra-low latency for accurate camera tracking control at full 1080p
- Moves into position using programmed presets and tours at 512° per second

## Maintain Control and Detail with a Responsive, Accurate PTZ

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 employs zoom-adjusted program technology to automatically control the pan and tilt speed in proportion to the amount of zoom used, delivering precise pan and tilt control. 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.

## Safeguard Against Cyber Attacks Across Devices

Illustra Pro 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.

## Achieve Clarity Despite Challenging Scene and Lighting Conditions

Illustra cameras deliver exceptional images even with highly contrasted images in a scene. Cameras available with Wide Dynamic Range functionality have special software that allows them to balance foreground and background lighting for one clear image, while still maintaining the right color balance. Additionally, the powerful processor combines with a light sensor and switches the camera automatically between color and monochrome modes, providing quality images even in ultra-low light scenarios.

## Specifications

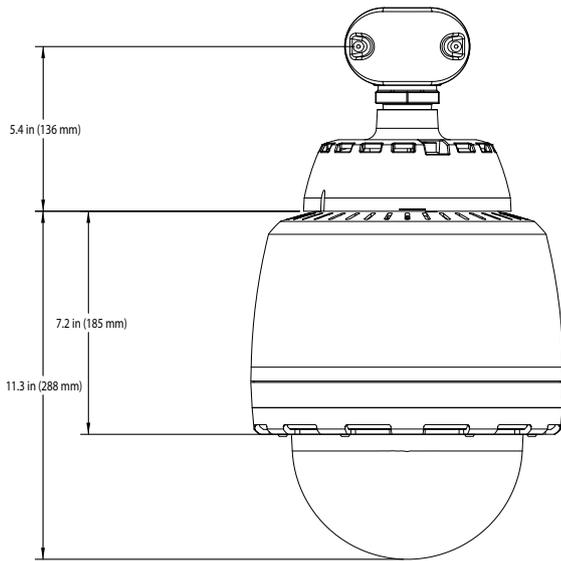
Operational											
Video Compression	H.264 and MJPEG up to 1080p 30ips										
Max Frame Rate	1080p at 30ips										
Resolution & Aspect Ratio	<table border="1"> <tr> <td>1920 x 1080 (1080p) 16:9</td> <td>800 x 450</td> </tr> <tr> <td>1600 x 900 (HD+)</td> <td>640 x 360 (nHD) 16:9</td> </tr> <tr> <td>1280 x 720 (720p) 16:9</td> <td>480 x 270</td> </tr> <tr> <td>1024 x 576 (PAL+) 16:9</td> <td>320 x 180</td> </tr> <tr> <td>960 x 540 (qHD)</td> <td>160 x 90</td> </tr> </table>	1920 x 1080 (1080p) 16:9	800 x 450	1600 x 900 (HD+)	640 x 360 (nHD) 16:9	1280 x 720 (720p) 16:9	480 x 270	1024 x 576 (PAL+) 16:9	320 x 180	960 x 540 (qHD)	160 x 90
1920 x 1080 (1080p) 16:9	800 x 450										
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1280 x 720 (720p) 16:9	480 x 270										
1024 x 576 (PAL+) 16:9	320 x 180										
960 x 540 (qHD)	160 x 90										
Angular Resolution	835 pixels per degree (telephoto)										
Video Streams	Dual										
Imager	Progress Scan RGB CMOS 1/2.8"										
Lens Type	30X Optical Zoom Varifocal Lens										
Focus Control	Motorized, Auto Focus										
Focal Length	4.4 mm~132 mm (wide~telephoto)										
Field of View											
Wide Angle (H/V)	63.4°/2.3°										
Telephoto (H/V)	37.3°/1.3°										
Aperture	F1.4~F4.6 (wide~telephoto)										
Minimum Illumination											
Color	0.1 Lux AGC on, 1/30s   0.01 Lux, AGC on, 1/4s										
B/W	0.001 Lux, AGC on, 1/4s										
Wide Dynamic Range	Dual Exposure, True WDR 100 dB Technologies										
Day/Night	Yes										
Shutter Speed	1/2 - 1/30,000 sec										
ONVIF-Compliant	Profile S										
Motion Detection Zones	Yes										
Privacy Zones	32										
Alarms Input/Output*	4/1										
Audio*	PCM, G.711 alaw and G.711 ulaw										
Simultaneous Users	4 maximum including codec sharing duplicate streams										
Supported Languages	Arabic, Chinese (Simplified), Chinese (Traditional), Czech, Danish, English (default), French, German, Hungarian, Italian, Japanese, Korean, Netherlands, Polish, Portuguese, Spanish, Swedish, Turkish										
PTZ Operational											
Optical Zoom	30x Optical Zoom; 12x Digital Zoom										
Pan Travel	360° continuous										
Tilt Travel	105°; 210° with the tilt auto flip feature										
Manual Continuous Speed	0.25°-100°/s (based on zoom manual position)										
Preset Accuracy	±0.25°										

\*Feature Plus model only

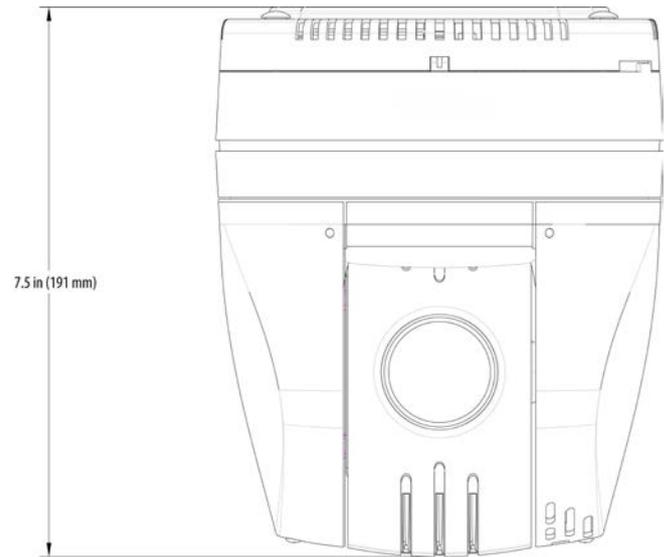
Preset Speed	512°/s	
Presets	96	
Sequences	Up to 16, each with 16 steps (presets)	
Pattern	16 Programmable	
Home Function	Yes	
Auto Flip	Yes	
Noise Reduction	Yes	
<b>Network</b>		
Ethernet Interface	Ethernet, 10/100Base-T, RJ-45	
Supported Protocols	TTPS(SSL), IP Filtering, Multi-level Access with Password Protection	
<b>Configuration Management</b>		
Web Browsers	IE 10, 11, Firefox, Chrome	
Security	Enhanced Security Mode (forces complex passwords, HTTPS and disables discovery); TLS 1.2 (256 bit cipher minimum); Security Overview Page (status and configuration); RTSP Authentication; IEEE 802.1X Client; Remote Accessible Audit logs; Role-Based Access Control	
<b>Onboard Storage</b>		
Card Support	Micro SD/HC up to 32GB (card not included)	
Pre-Alarm Recording	Yes	
Recording Format	MP4	
Recording Trigger	Motion, Digital input	
VideoEdge TrickleStor	Yes	
<b>Electrical</b>		
Power Input	<b>Indoor</b> Power over Ethernet (PoE) IEEE 802.3at Type 1 Class 4	<b>Outdoor</b> 24 VAC
Voltage	22 to 30 VAC, Class 2 LPS	
Power Draw	<b>Indoor</b> 25.5W	<b>Indoor</b> 75W
Line Frequency	50/60 Hz	
Max. Current	<b>Indoor</b> 1.4 amps	<b>Outdoor</b> 2.5 amps
Surge Protection	Yes, on all electrical inputs/outputs	
<b>Physical</b>		
	<b>Indoor</b>	<b>Outdoor</b>
Dimensions (RxHxW)*	Ø6.1 x 7.0 in (Ø154 x 178 mm)	Ø10.12 x 14.65 in (Ø257 x 372 mm)
Weight	4.5 lb (2.06 kg)	14.6 lb (6.6 kg)
Housing Color	RAL 9017 - Traffic Black	RAL 9003 - Signal White
Operating Temperature	14°F to 122°F (-10°C to 50°C)	-40°F to 122°F (-40°C to 50°C)
Storage Temperature	-4°F to 149°F (-20°C to 65°C)	
Humidity	Up to 95% RH Non-Condensing	
Vandal Resistant	N/A	IK10 (Vandal Models Only)
Outdoor Rating	N/A	IP66
<b>Regulatory</b>		
Safety	UL 60950-1; CAN/CSA-C22.2 No. 60950-1; EN 60950-1	
Emissions	FCC Part 15 Class A; CE EN55032 Class A; AS/NZS CISPR 32 Class A; ICES-003/NMB-003 Class A	
Immunity	EN55024; EN50130-4	
Environment	RoHS; WEEE	

\*Vandal and Non-Vandal models utilize different bubble material but are the same dimensions.

Outdoor Pro 2MP PTZ

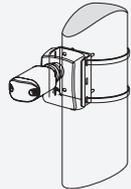
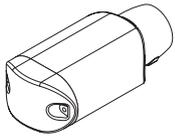
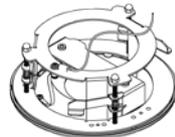
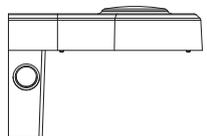
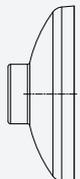
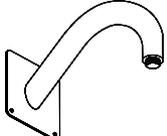


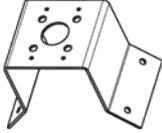
Indoor Pro 2MP PTZ



## Accessories

Accessory Type	Image	Model Number	Description	Dimensions	Color
Wall Mount		RHOSW	Short wall mount with end cap. For use with RHOWPA pole strap adapter and RHOWCA corner bracket adapter	With Dome Installed 14 x 9 x 11 in (366 x 218 x 282 mm)	RAL 9003
Wall Mount		RHOLW	Long wall mount with end cap	With Dome Installed 14 x 9 x 23 in (366 x 218 x 587 mm)	RAL 9003
Over the Roof Mount		RHOTR	Affixes directly to vertical roof wall or parapet, positions dome away from wall	43 x 10 x 19 in (1098 x 243 x 473 mm)	RAL 9003
Over the Roof Floor Mount		ROTRF	Enables RHOTR over-the-roof mount to be installed on horizontal and vertical roof/parapet surfaces	15 x 10 x 10 in (369 x 240 x 240 mm)	RAL 9003
Corner Bracket Adapter		RHOWCA	Enables long and short wall mounts (RHOSW and RHOLW) to affix to outside corners	7 x 8 x 5 in (185 x 210 x 125 mm)	RAL 9003

Pole Strap Adapter		RHOWPA	Enables RHOSW and RHOLW to affix to outdoor corners	Straps Support 5 x 3 x 1 in (138 x 79 x 27 mm) Pole Diameter 2 to 38 in (53 to 951 mm)	RAL 9003
End Cap Assembly		ROENDC	Indoor/outdoor head adapter mount	3 x 4 x 8 in (64 x 103 x 194 mm)	RAL 9003
Indoor Bubble Covers		ADCiPTZINDWCLR ADCiPTZINDWSMK ADCiPTZINDBCLR ADCiPTZINDBSMK	Bubble available in clear black/white or smoked black/white	Ø10 x 14 in (Ø243 x 352 mm)	RAL 9003 (Trim) RAL 9017 (Trim)
Flush Mount		ADCi6PFMKIWC ADCi6PFMKIWS ADCi6PFMKIBC ADCi6PFMKIBS	Indoor recessed flush mount	Ø6.3 x 2.5 in (Ø160 x 62.5 mm)	RAL 9003
Ceiling Mount		ADCi6P2x2IW	Ceiling Mount Adapter Tile	23.8 x 23.8 in (605 x 605 mm)	SHERWIN WILLIAMS 3HWT2-9002
Wall Mount		ADCiM6WALLBK ADCiM6WALLWK	Wall Mount Kit: Indoor/Outdoor, White/Black	6.3 x 3.3 x 9.1 in (160.5 x 83 x 230.5 mm)	RAL 9003 RAL 9017
Pendant Cap		ADCi6DPCAPOW ADCi6DPCAPOB	Pendant Cap: Outdoor White/Black	Ø5.8 x 2.2 x 5.8 in (Ø148 x 55 x 147.4 mm)	RAL 9003 RAL 9017
Gooseneck Arm		ADLOMARM (White) ADCBMARM (Black)	For use with Pendant Cap	4.4 x 8.78 x 4.4 in (112.5 x 222.9 x 112.5 mm)	RAL 9003 RAL 9017

Pole Mount Adapter		ADCDMPOLE	For use with Pendant Cap and Gooseneck Arm	Wraps around pole	RAL 9003
Outside Corner Mount Adapter		ADCDMCRNRO	For use with Pendant Cap and Gooseneck Arm	5.18 x 7.58 in (131.5 x 192.5 mm)	RAL 9003

## Ordering Information

Model	Description
<b>PTZ Indoor Model</b>	
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
<b>PTZ Outdoor Model</b>	
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

## Accessories

Model	Description
<b>Outdoor Mounting Options</b>	
RHOSW	Short Wall Mount with End Cap
RHOLW	Long Wall Mount with End Cap
RHOTR	Over the Roof Mount
<b>Outdoor Adapter Options</b>	
ROTRF	Over the Roof Floor Mount
RHOWCA	Corner Bracket Adapter
RHOWPA	Pole Strap
ROENDC	End Cap Assembly
<b>Indoor Housing Options</b>	
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

Model	Description
<b>Indoor Mounting Options</b>	
ADCi6P2x2IW	2x2 Tile Mount Plate
<b>Indoor Adapter Options</b>	
ADCiM6WALLBK	Illustra Wall Mount Adapter for PG2 MiniDomes, PG2 Fisheyes, 600/610 MiniDomes, PG2 PTZ, Black
ADCiM6WALLWK	Illustra Wall Mount Adapter for PG2 MiniDomes, PG2 Fisheyes, 600/610 MiniDomes, PG2 PTZ, White
ADCi6DPCAPOW	Illustra Pendant Cap for PG2 MD, PG2 Fisheyes, PG2 PTZ, 600/610 MD, Outdoor, 3/4" NPT, White
ADCi6DPCAPOB	Illustra Pendant Cap for PG2 MD, PG2 PTZ, 600/610 MD, Outdoor, 3/4" NPT, Black
ADLOMARM	Illustra Gooseneck Wall Mount, 3/4" NPT, White
ADCBMARM	Illustra Gooseneck Wall Mount, 3/4" NPT, Black
ADCDMPOLE	Illustra Pole Kit for use ADLOMARM / ADCBMARM, White
ADCDMCRNRO	Illustra Exterior Corner Bracket for use with ADLOMARM / ADCBMARM, White
<b>Power Supplies</b>	
ADPOE-Plus	Single Port PoE IEEE802.3at midspan, 100-240 VAC to 25/30W PoE, mount indoors
ADSPOT	Single Position Outdoor Transformer, 120/240VAC to 24VAC, LPS in IP66 Electrical Box

## 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](http://www.illustracameras.com) or follow Illustra on LinkedIn, Twitter, and Facebook.