



# Flex Gen4 PTZ

Keep the Future in View with Pan-Tilt-Zoom



## Large Field of View with 360° Coverage

Control larger field of view with Pan-Tilt-Zoom. Built in 656ft (200m) IR (outdoor only) provides high quality images for 24x7 operation



## Auto-Tracking Capabilities

Auto-tracking adjusts field of view to follow person through camera range for simplified camera operation



## Encrypted Data Transfer End-to-End

Protection against data misuse with full encryption from camera to recorder/SD card



## Intelligence at the Edge

Reduced false alarms, faster investigations and accurate detection of events with deep learning AI



## Open Standard Support

ONVIF conformance provides open, consistent and reliable standard. Fully interoperable with multiple video management platforms including American Dynamics and Exacq



## Cyber Secure

Meet evolving cyber challenges with resilient and NDAA-compliant camera

# Specifications

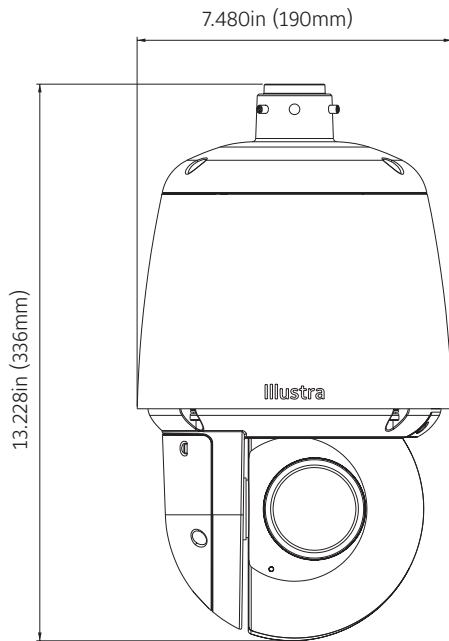
Operational	2MP	5MP
Imager	Sony IMX327 1/2.8" CMOS imager	Sony IMX335 1/2.8" CMOS imager
Video Compression	H.264 / H.265 / MJPEG / IntelliZip	
Configurable Streams	Triple Streaming with a Maximum of 5 Concurrent Shared Streams	
Max Resolution & Frame Rate	2MP @ 60fps	5MP @ 30fps/2MP @ 60fps
Resolution & Aspect Ratio	1920 x 1080 (1080p) 16:9 1664 x 936 (HD+) 16:9 1280 x 720 (720p) 16:9 1024 x 576 (PAL+) 16:9 960 x 544 (qHD) 16:9 816 x 464 16:9 800 x 448 16:9 640 x 360 (nHD) 16:9 480 x 272 16:9	2560 x 1920 (5MP) 4:3 2560 x 1440 (4MP)* 16:9 1920 x 1080 (1080p) 16:9 1664 x 936 (HD+) 16:9 1280 x 720 (720p) 16:9 1024 x 576 (PAL+) 16:9 816 x 464 16:9 800 x 600 (SVGA) 4:3 800 x 448 16:9 640 x 360 (nHD) 16:9 480 x 272 16:9 *default resolution
Lens Type	Varifocal Lens, DC-Iris, IR Corrected	
Image Stabilization	Electronic Image Stabilization (coming soon)	
Focus Control	Motorized, Continuous Auto Focus, Manual Focus	
Aperture	F/1.6(W) - F/4.4(T)	F/1.3(W) - F/4.8(T)
Minimum Illumination		
Outdoor	Colour (1/30): 0.01 Lux BW (1/30): 0.007 Lux	Colour (1/30): 0.06 Lux BW (1/30): 0.02 Lux
Indoor	Colour (1/30): 0.01 Lux BW (1/30): 0.007 Lux	Colour (1/30): 0.06 Lux BW (1/30): 0.02 Lux
Bubble	Colour (1/30): 0.02 Lux BW (1/30): 0.01 Lux	Colour (1/30): 0.1 Lux BW (1/30): 0.02 Lux
With IR	0.0 Lux	
Adaptive IR	Yes (Flex IR PTZ models only)	
IR Distance (Flex IR PTZ models)	Indoor Model 164ft (50m) Outdoor Model 656ft (200m)	
Wide Dynamic Range	True WDR 120dB, Off / Smart WDR / True WDR2x / True WDR 3x	
Noise Reduction	Digital Noise Reduction 2D and 3D	
Day/Night	TDN CF removal	
Shutter Speed	≥ 1/32,000 to 1/4 s	
Smart Defog	Supported	
Privacy Zones	8	
ONVIF	Profile S, G, M ( Profile T available in future firmware release)	
Alarm Input/Output	2/2	
Audio	G.711, Bi-directional; 1 input, 1 output	
Simultaneous Users	10	
Supported Languages	Arabic, Czech, Chinese (Simplified), Chinese (Traditional), Danish, Dutch, English (US), French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazilian), Russian, Spanish, Turkish	
Operational		
Optical Zoom	30x Optical Zoom, 12x Digital Zoom	
Focal Length Range	4.5 - 135mm	5.2 - 156mm
Field of View (H/V)	Wide: 59.8° H 40.5° V Tele: 2.34° H 1.48° V	Wide: 58.1° H 40.5° V Tele: 2.34° H 1.48° V
Pan Travel	360° Continuous	
Tilt Travel	+15° ~ -90°	
Manual Continuous Speed	0.25° ~ 100°/s scaled in proportion to zoom position	
Preset Accuracy	< 0.1°	
Preset Speed	Pan Speed: 300°/s Tilt Speed: 180°/s	
Presets	300	
Sequences	96	
Pattern	16 Programmable	
Home Function	Preset, Pattern, Sequence, or Scan	
Analogue Video Output	NTSC/PAL Composite Video	

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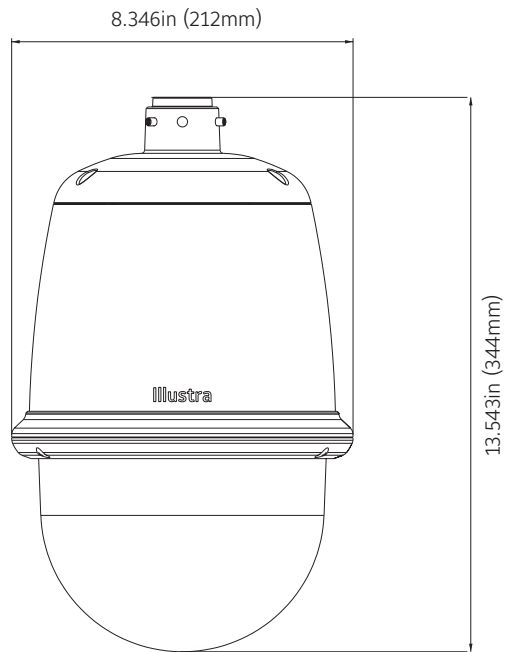
Network					
Ethernet Interface	IEEE 802.3, 10/100 Base-T Ethernet, RJ45, auto sensing				
Supported Protocols	TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, RTCP, RTSP, TLS, Unicast, Multicast, NTP, ICMP, IGMP, SMTP, WS-Security, IEEE 802.1x, PEAP, EAP-TLS, EAPoL, SSH, HTTPS, SOAP, WSAddressing, CIFS, SNMP, UPNP, RTSP, LLDP				
Encrypted Video Streaming	Yes via HTTPS				
Analytics					
AI Object Classification	Classes: Person, Bicycle, Bus, Car, Motorbike, Train, Truck, Any Sub-Classes: Person: Upper Clothing Color/ Lower Clothing Color Car, Bus, Motorbike and Truck: Vehicle Color Class Rules: Object Detected, Perimeter, Linger, Dwell, Abandoned / Removed, Enter, Exit, Crowd, Queue				
Tamper AI Detection	Blackout, whiteout, scene change (FOV tamper)				
Blur Detection	Yes				
Motion Detection	Yes (Single Full screen Zone)				
Intelligent Guard (Auto Tracking)	Person Tracking				
Configuration Management					
Web Browsers	Microsoft Edge, Firefox, Safari, Chrome				
Security	Secure Boot, 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, Video Encryption for local storage and streaming.				
Onboard Storage					
Card Support	Built-in Micro SDXC slot up to 1TB; card not included				
Alarm Recording	Yes				
Recording Format	MP4 File Format				
Recording Trigger	Dry Contact Alarms, Motion Detection, AI Object Classification, Tamper AI, Blur, Periodic Events. Network loss				
TrickleStor	Yes, encrypted storage				
Electrical					
Power	Outdoor: Power over Ethernet (PoE++) IEEE 802.3bt Type 4 Class 8; 24VAC, 48VDC Indoor & Bubble: Power over Ethernet (PoE+) IEEE 802.3at PoE+ Type 2, 24VAC, 48VDC				
Max Draw:	Resolution	Power Source	Outdoor	Indoor w/IR	Indoor w/bubble
	2MP	PoE	51W	25W	18W
	5MP	PoE	51.6W	25.2W	18W
	2MP/5MP	24VAC	51.6W	25.2W	17.8W
	2MP/5MP	48VDC	48.5W	22.5W	18W
Dual Power	Yes				
Physical Dimensions	Outdoor & Indoor: Ø190 x 336mm (Ø7.48 x 13.23 in) Bubble PTZ: Ø212 x 344mm (Ø8.35 x 13.54 in)				
Weight	Outdoor: 5.8 kg (12.79 lbs) Indoor: 5.1 kg (11.24 lbs) Bubble PTZ: 6.6 kg (14.55 lbs)				
Housing Color	Signal White - RAL 9003				
Operating Temperature	Outdoor: -40°C (-40°F) to +65° C (149°F) (IR off at +60° C/140° F) Indoor & Bubble: -20°C (-4°F) to +60° C (140°F )				
Humidity	Up to 90% Non-Condensing				
Vandal Resistant	IK10				
Outdoor Rating	IP66, NEMA 4x				
Regulatory					
Safety	EN60950-1; UL60950-1; IEC 60950-1; CSA 22.2 No. 60950 Emissions FCC Part 15 Class A; EN55032 Class A; AS/NZS CISPR 32 Class A; ICES-003/NMB-003 Class A				
Immunity	EN55024; EN50130-3				
Environment	RoHS; WEEE				
NDAA & TAA	Compliant				
Warranty	5 year warranty				

# Camera Dimensions

## Flex Gen4 IR PTZ



## Flex Gen4 Bubble PTZ



# Ordering Information

Model Number	Sales Description
IFS02-P07-ATA4	Illustra Flex Gen4 2MP PTZ, Edge AI, TDN, TWDR, Indoor, Smoked Bubble
IFS02-P07-IIA4	Illustra Flex Gen4 2MP PTZ, Edge AI, TDN w/IR, TWDR, IK10, Indoor
IFS02-P07-OIA4	Illustra Flex Gen4 2MP PTZ, Edge AI, TDN w/IR, TWDR, IP66, IK10, Outdoor
IFS04-P07-ATA4	Illustra Flex Gen4 5MP (4:3)/4MP (16:9) PTZ, Edge AI, TDN, TWDR, Indoor, Smoked Bubble
IFS04-P07-IIA4	Illustra Flex Gen4 5MP (4:3)/4MP (16:9) PTZ, Edge AI, TDN w/IR, TWDR, IK10, Indoor
IFS04-P07-OIA4	Illustra Flex Gen4 5MP (4:3)/4MP (16:9) PTZ, Edge AI, TDN w/IR, TWDR, IP66, IK10, Outdoor



# Accessories

Model Number	Description
IFPTZWRECM2	Recessed mount
IFIRPTZC2X2	Ceiling mount
RHOSW	Wall Mount, 1 1/2" NPT, short (11"), white
RHOLW	Wall Mount, 1 1/2" NPT, long (23"), white
RHOTR	Over the roof mount
ROTRF	Over roof mount, 1 1/2" NPT, white
RHOWCA	Corner Adapter (use with RHOxW)
RHOWPA	Pole Adapter (use with RHOxW)
RHOPN	Allows an outdoor housing to be suspended from outdoor ceiling or horizontal surface
ROENDC	End cap for RHOxW mounts
IFS02P6ISBBL	Non-vandal smoked bubble (compatible with IFS02-P07-ATA4 / IFS04-P07-ATA4)
IFS02P6ICBBL	Non-vandal clear bubble (compatible with IFS02-P07-ATA4 / IFS04-P07-ATA4)
IA-POE-90-U00	90w PoE injector
IA-KIT-WD-UUA	Illustra Wi-Fi dongle kit

## Accessory Chart

