

# Flex IR PTZ



## Features That Make a Difference:

- 2MP resolution for HD quality images
- Zoom Adjusted Program (ZAP) automatically adjusts pan and tilt speeds scaled in proportion to zoom position.
- Illustra® IntelliZip improves video compression in scenes with periods of low-motion for bandwidth management
- VideoEdge® TrickleStor technology enables edge-based failover redundancy
- True Day/Night functionality produces quality video recording in low light conditions
- True Wide Dynamic Range balances image quality in challenging lighting conditions
- IR illumination for clear images in low light conditions on indoor and outdoor models
- Operating temperature for outdoor model to -40°C
- Motion detection instantly alerts operators to intruders
- IP66-rated enclosure protects against dust and water damage
- IK10 vandal-resistant rating
- ONVIF Profile S conformant for simplified integrations with a variety of manufacturers
- Adheres to the Tyco Cyber Protection Product Security Program

## Effectively Manage Vast Surveillance Areas while Streaming High-Quality Video

### Optimal Image Clarity

The Flex IR PTZ is ideal for applications that require reliable, expansive functionality at an economical price point. 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 (300m). Powerful IR LEDs on the outdoor model allow for a night scene illumination of up to 500ft (150m). Packaged in a bubble-free, environmentally sealed, and vandal-resistant design, the Flex IR PTZ maximizes video quality at any tilt angle.

True Wide Dynamic Range and True Day/Night technology produce high-quality images regardless of lighting challenges.

### Ensure Failover Redundancy with Confidence

The VideoEdge TrickleStor feature on the Illustra Flex product line allows video recording to continue on the edge when a network outage occurs. If communications between the NVR and cameras are interrupted, the camera automatically detects the anomaly and begins recording video to its SD card. With TrickleStor, once the connections are restored, the recorded video is then transferred back to the NVR's hard drive for seamless viewing later.

### Mitigate Cyber Security Risk

The Flex IR PTZ adheres to the rigorous security standards of the Tyco Cyber Protection Product Security Program. The holistic cyber approach begins at initial design concept, continues through product development, and is supported through deployment, including a rapid incident response to meet the comprehensive and evolving cybersecurity environments.

### Overcome a Variety of Environmental Conditions

Ideal for monitoring heavily trafficked, widespread areas through increased movement and focus functionality, the Flex IR PTZ is best installed in airports, seaports, parking lots, and other expansive areas. The IP66- and IK10-rated models are able to overcome weather and vandalism challenges while IR, true day/night, and wide dynamic range allow for clear images in changing lighting conditions.

# Features

## Specifications

	Indoor	Outdoor
<b>Operational</b>		
Video Compression	H.264 / H.265 / IntelliZip / MJPEG	
Max Frame Rate	60ips @ 2MP	
ONVIF-Compliant	Profile S	
Analog Video Output	NTSC/PAL Composite Video	
Resolution	1920 x 1080 (1080p) 16:9 1600 x 900 (HD+) 16:9 1280 x 720 (720p) 16:9 1024 x 576 (PAL+) 16:9 960 x 540 (qHD) 16:9	800 x 450 16:9 640 x 360 (nHD) 16:9 480 x 270 16:9 320 x 180 16:9 160 x 90 16:9
Imager	1/3"	
Iris Control	Auto	
Auto Focus	Yes	
Focus	Motorized	
Day/Night	True Day/Night with ICR	
TrickleStor	Yes	
Adaptive IR	Yes	
IR Distance	80ft (25m)	500ft (150m)
Motion Detection	Single Zone	
Blur Detection	Single Zone	
Privacy Zones	8 Zones	
Alarm Input/Output	2/2	
Audio Input/Output	Bi-Directional 1/1	
Video Streams	Triple Streaming with a Maximum of 5 Concurrent Shared Streams	
True Wide Dynamic Range	Yes	
Minimum Illumination	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		
Field of View (H/V)	65°/38°	
Wide Angle	2.4°/1.4°	
Telephoto		
Lens Type	IR Optical Corrective, Motorized Varifocal	
Focal Length	4.3 - 129mm	
Aperture	F/1.6(W) - F/4.7(T)	
Support Languages	Arabic, Czech, Chinese (Simplified), Chinese (Traditional), Danish, Dutch, English (US), French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazilian), Russian, Spanish, Turkish	
<b>PTZ Operational</b>		
Optical Zoom	30x Optical Zoom, 12x Digital Zoom	
Pan Travel	360° Continuous	
Tilt Travel	-15° ~ +90°	
Manual Continuous Speed	0.1° ~ 90°/s	
Presets	96	
Preset Accuracy	0.1°	
Preset Speed	Pan Speed: 0.1°/s ~ 240°/s Tilt Speed: 0.1° ~ 160°/s	
Sequence	16	
Pattern	17 Available, 16 Programmable	
Home Function	Preset, Pattern, Sequence, or Scan	
Auto Flip	Selectable	
Defog	No	
Noise Reduction	Digital Noise Reduction 2D and 3D	
<b>Configuration Management</b>		
Web Browser	IE 8 or above, Firefox, Chrome, Safari	
Security	HTTPS, TLS, WS-Security, Certificate Management, Multi-Level Password Protection, IP address filtering, HTTPS encryption, One-Click Security Hardening, User Access Log, Validate Complex Credentials, Disabling Unused Protocols, IEEE 802.1x including: PEAP, EAP-TLS, EAPoL	

Onboard Storage		
Card Support	SDXC up to 128GB	
Electrical		
Power Input	PoE+ 802.3at Class 4, 24VAC	UPoE 802.3bt Class 6, 24VAC
Maximum Power Draw	25W	51W
Physical		
Dimensions (WxH)	Ø 7.5in (190mm)   11.9in (301mm) Body Height   13in (330mm) Height to Pedant Top   Ball 6.3in (Ø160mm)	
Weight	11.5 lbs (5.2kg)	
Housing Color	White	
Operating Temperature	-4°F to 122°F (-20°C to 50°C)	-40°F to 122°F (-40°C to 50°C)
Vandal Resistant	IK10	
Outdoor Rating	IP66	
Regulatory		
Emissions	FCC Part 15 Class A; CE EN55032 Class A; AS/NZS CISPR 22 Class A; ICES-003/NMB-003 Class A	
Immunity	EN55024; EN50130-4	
Safety	UL 60950-1; CAN/CSA-C22.2 No. 60950-1; EN 60950-1	
Environment	RoHS; WEEE	

### Ordering Information

Model	Description
IFS02P6ONWIT	Illustra Flex 2MP PTZ, 30x, outdoor, vandal, white, TDN w/IR, TWDR
IFS02P6INWIT	Illustra Flex 2MP PTZ, 30x, indoor, vandal, white, TDN w/IR, TWDR

### Accessories

IPTZPOEBT60	Illustra 1 Port BT Injector 60W
RHOSW	Short Wall Mount with End Cap
RHOLW	Long Wall Mount with End Cap
RHOTR	Over the Roof Mount
ROTRF	Over the Roof Floor Mount
RHOWCA	Corner Bracket Adapter
ROENDC	End Cap Assembly
ADSPOT	Power supply, for outdoor domes, 1 output, 120/240 VAC to 24 VAC

### ILLUSTRATE CAMERA MODEL KEY

ILLUSTRATE	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	W = White	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 = Soft Day/Night	Y = Yes	2 = 2.8mm
	Q = Edge		05 = 5MP	F = Fisheye	1 = 2.8–12mm	I = Indoor Vandal			T = TDN		3 = 3.7mm
			08 = 8MP	H = Micro	2 = 3–9mm	O = Outdoor Vandal					
			12 = 12MP	M = Mini-Bullet	3 = 9–22mm						
				P = PTZ	5 = 20x						
				X = Box	6 = 30x						

### Related Products



VideoEdge NVR



exaccqVision



victor

### Approvals



Driving network video through global standardization

[www.illustracameras.com](http://www.illustracameras.com)