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From Tyco Security Products

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.

FULL HD 1080P | High Res | H.2 | PoE

MOTION | SD | WDR | PRIVACY ZONES

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 @ 30ips
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
    B/W
	
	1 Lux 1/30s; 0.1 Lux 1/4s
	0.01 Lux 1/4s

Wide Dynamic Range	Yes

Field of View (H/V)
    Focal Length
    Wide Angle
    Telephoto
	
	20X optical, 4.7 ~ 94 mm
	57° (H); 33° (V)
	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 ½" 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

ILLUSTRA CAMERA MODEL KEY

ILLUSTRA	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						

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