illustra
From Tyco Security Products

Essentials
1 MP and 2 MP Varifocal IP Bullet Cameras

Features That Make a Difference:

- 1 and 2 megapixels

- 2.7-12mm varifocal lens

- H.264 and MJPEG dual-stream encoding

- Maximum 30 ips

- Multiple network monitoring

- IP67

- PoE

- IR Illumination

- True Day/Night

- Wide Dynamic Range

- Supports corridor mode for better field of view

The Illustra Essentials varifocal bullet camera is available in 1 and 2 megapixel options, can be installed indoors or outdoors and has IR Illumination. The bullet camera can capture video in a variety of lighting situations with features such as True Day/Night and Wide Dynamic Range.

Low Light Clarity
The Illustra Essentials varifocal bullet camera masters low-light clarity. The sensitivity of the sensor and processor combination is enabled through the latest technology such as True Day/Night. In low light, this camera delivers clear video surveillance.

Poor low-light performance by megapixel cameras hampers some of the most important tasks security professionals need to perform. When cameras lack clarity in low-light, they also tend to increase bandwidth usage and storage costs. Cameras that fail in low-light clarity negatively impact both the necessary functions of security and cost of ownership.

Wide Dynamic Range
For applications where the glare of direct sunlight may affect surveillance, WDR is a must-have feature. Only the best performing cameras can manage the contrast created by the backlighting that direct sunlight can produce.

The Illustra Essentials varifocal bullet camera takes advantage of the latest pixel-by-pixel dynamic range offered today. Avoid loss of detail in strongly backlit scenes with the power of WDR. Maintain the details in faces with whole scene clarity. WDR provides rendering of a high-resolution HD image that excels in a wide range of challenging lighting conditions.

Corridor mode allows cameras to maximize video surveillance in narrow vertical situations. Ideal for hallways, retail aisles, and tunnels this mode creates a unique high quality, vertical video. Using corridor mode results in less bandwidth and storage requirements because you are only focusing on relevant items in the scene.

Specifications

	1MP	2MP
Camera		
Imager	1/3"	1/2.8"
Resolution	1280 x 960	1920 x 1080
Shutter Speed	Auto/manual, 1/3(4) – 1/10000s	Auto/Manual, 1/3(4) – 1/10000s
Minimum Illumination	0. 01 Lux/F1.4 (Color) 0 Lux/F1.4 (IR on)	0. 01 Lux/F1.4 (Color) 0 Lux/F1.4 (IR on)
S/N Ratio	> 50dB	> 50dB
Analog Video Output	N/A	N/A
Camera Features		
IR Illuminator	30m	30m
Day/Night	Mechanical ICR	Mechanical ICR
Backlight Compensation	Yes	Yes
Wide Dynamic Range	Yes	Yes
White Balance	Auto/Manual	Auto/Manual
Gain Control	Auto/Manual	Auto/Manual
Digital Noise Reduction	3D	3D
Privacy Zones	Up to 4 areas	Up to 4 areas
Lens		
Focal Length	2.7-12mm	2.7-12mm
Max Aperture	F1.4	F1.4
Focus Control	Manual	Manual
Angle of View	H: 92 ~ 28	H: 98 ~ 30
Video		
Video Compression	H.264/MJPEG	H.264/MJPEG
Resolutions	1.3M (1280 × 960); 720P (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)	1080P (19020 x 1080); 1.3M (1280 × 960); 720P (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)
Max Frame Rate	Main stream: 1.3M (30ips) Sub stream: D1/CIF (30ips)	Main stream: 2M/1MP (30ips) Sub stream: D1/CIF (30ips)
Audio	N/A	N/A
Network		
Ethernet	RJ-45 (10/100Base-T)	RJ-45 (10/100Base-T)
Wi-Fi	N/A	N/A
Supported Protocols	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour
ONVIF-Compliant	ONVIF, CGI	ONVIF, CGI
Auxiliary Interface		
Onboard Storage	N/A	N/A
Alarm Input/Output	N/A	N/A
General		
Power Supply	DC12V, PoE (802.3af)	DC12V, PoE (802.3af)
Power Consumption	5.0W	4.0W
Operating Temperature	-30°C to 60°C (-22°F to 140°F)	-30°C to 60°C (-22°F to 140°F)
IP Rating	IP67	IP67
Vandal Resistant	N/A	N/A
Dimensions	72mm × 80mm × 212.8mm (2.83in x 3.15in x 8.38in)	72mm × 80mm × 212.8mm (2.83in x 3.15in x 8.38in)
Menu Languages	Chinese (simplified), English (default), French, German, Portuguese, Spanish, Italian, Dutch	Chinese (simplified), English (default), French, German, Portuguese, Spanish, Italian, Dutch
Weight	0.65kg (1.43lbs)	0.65kg (1.43lbs)

Model	Description
IES01B1BNWIYA	Illustra Essentials 1MP Bullet, 2.7-12mm, outdoor, nonvandal, white, TDN w/IR, WDR
IES02B1BNWIYA	Illustra Essentials 2MP Bullet, 2.7-12mm, outdoor, nonvandal, white, TDN w/IR, WDR

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)	
	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						
				W = Wireless Cube	4 = 9—40mm						
				X = Box	5 = 20x						
					6 = 30x						

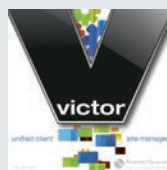| OPTIONAL VARIFOCAL BULLET ACCESSORIES			
Model	PFA122	PFA151	PFA152
Decription	Junction Box	Corner Mount	Pole Mount
Dimensions	134mm x 134mm x 55mm (5.28in x 5.28in x 2.16in)	243mm x 170mm x 138mm (9.60in x 6.70in x 5.43in)	117.5mm x 87mm x 21mm (4.60in x 3.40in x 0.83in)
Weight	0.5 Kg (1.10 lbs)	1.7 Kg (3.75 lbs)	0.2 Kg (0.44 lbs)
Load Bearing	3.0 Kg (6.61 lbs)	10 Kg (22 lbs)	3.0 Kg (6.61 lbs)

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Approvals

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