

# Essentials IP Bullet Camera



## Features That Make a Difference:

- 1 and 2 megapixels
- H.264 and MJPEG dual-stream encoding
- Maximum 30 ips
- Multiple network monitoring
- IP66
- 3.6mm fixed lens
- PoE
- IR Illumination
- True Day/Night
- Wide Dynamic Range

The Illustra Essentials bullet camera is available in 1 and 2 megapixel options which can be installed indoors or outdoors, and has IR Illumination. The bullet cameras 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 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 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 works with the megapixel lens to enhance the precision of the image for a high-resolution HD solution that excels in a wide range of challenging lighting conditions.

# Specifications

	1MP	2MP
Camera		
Imager	1/3"	1/2.7"
Resolution	1280 x 960	1920 x 1080
Shutter Speed	Auto/manual, 1/3s – 1/30000s	Auto/manual, 1s – 1/00000s
Minimum Illumination	0.1Lux/F1.2 (color); 0.01Lux/F1.2 (black/white); 0Lux/F1.2 (IR on)	0.025Lux/F2.1 (color); 0Lux/F2.1 (IR on)
S/N Ratio	More than 50dB	More than 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	WDR	WDR
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	3.6mm Fixed	3.6mm Fixed
Max Aperture	F2.1	F2.1
Focus Control	Manual	Manual
Angle of View	H: 71°	H: 93°
Video		
Video Compression	H.264/MJPEG	H.264/MJPEG
Resolutions	1.3MP (1280 x 960); 720p (1280 x 720); D1 (704 x 576/704 x 480); CIF (352 x 288/352 x 240)	1080P (1920 x 1080); 720p (1280 x 720); D1 (704 x 576/704 x 480); CIF (352 x 288/352 x 240)
Max Frame Rate	Main stream: 720p (30 ips); Sub stream: D1/CIF (30 ips)	Main stream: 1080p/720p (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, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour
ONVIF-compliant	ONVIF Profile S	ONVIF Profile S
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	<4.8W	<5.5W
Operating Temperature	-30°C to 60°C (-22°F to 140°F)	-30°C to 60°C (-22°F to 140°F)
IP Rating	IP66	IP66
Vandal Resistant	N/A	N/A
Dimensions	70mm x 66mm x 165mm (2.76in x 2.60in x 6.50in)	70mm x 66mm x 165mm (2.76in x 2.60in x 6.50in)
Menu Languages	Chinese (simplified), Dutch, English (default), French, German, Italian, Portuguese, Spanish	Chinese (simplified), Dutch, English (default), French, German, Italian, Portuguese, Spanish
Weight	0.38kg (0.84lbs)	0.38kg (0.84lbs)

Model	Description
IES01MFBNWIYA	Illustra Essentials 1MP mini-bullet, 3.6mm, outdoor, nonvandal, white, TDN w/IR, WDR
IES02MFBNWIYA	Illustra Essentials 2MP mini-bullet, 3.6mm, outdoor, nonvandal, white, TDN w/IR, WDR

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	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 Bullet Accessories	
Model	PFA134
Description	Junction Box
Dimensions	90mm x 35mm (3.54in x 1.38in)
Weight	0.22kg (0.48lbs)

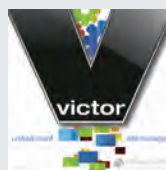
## Related Products



VideoEdge



exacqVision



victor

## Approvals



Driving network video through global standardization

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