

# Essentials IP Bullet Camera



## Features That Make a Difference:

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

The Illustra Essentials bullet cameras are available in 1 and 2 megapixel options and are suitable for both indoor and outdoor applications. The cameras are designed to capture high quality video in a variety of lighting situations and challenging weather conditions, using features such as True Day/Night, Wide Dynamic Range, 24/7 operation with built in IR illumination and -30°C to +60°C performance.

## Low Light Clarity

The Illustra Essentials bullet cameras master low-light clarity, through a combination of the latest technology in sensor sensitivity and camera processing, delivering clear images both day and night.

The megapixel camera coupled with the megapixel lenses create a great low-light performance and clear images ensure that the bandwidth usage and storage costs are kept to a minimum, increasing the cameras impact on the site as well as reducing the total cost of ownership.

## Wide Dynamic Range

For applications where challenging lighting conditions are present the Illustra Essentials' WDR takes advantage of the latest pixel-by-pixel dynamic range technology. This is particularly important for strongly backlit scenes such as looking down alleyways or reception areas with revealing whole scene clarity such as faces in detail.

# Specifications

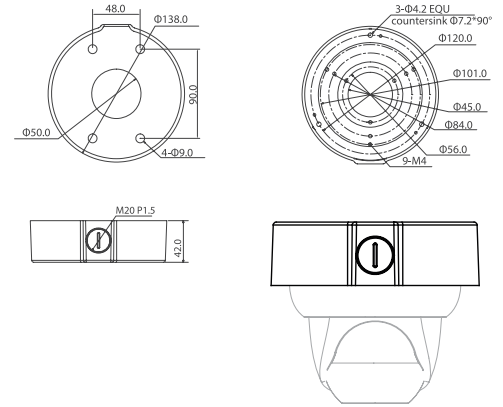
	1MP	2MP
<b>Camera</b>		
Imager	1/4"	1/3"
Resolution	1280 x 720	1920 x 1080
Shutter Speed	Auto/manual, 1/3(4) – 1/10000s	Auto/manual, 1/3(4) – 1/10000s
Minimum Illumination	0.1Lux/F1.2 (colour); 0.01Lux/F1.2 (black/white); 0Lux/F1.2 (IR on)	0.1Lux/F1.6 (colour); 0Lux/F1.6 (IR on)
S/N Ratio	More than 50dB	More than 50dB
Analogue Video Output	N/A	N/A
<b>Camera Features</b>		
IR Illuminator	20m	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	2D
Privacy Zones	Up to 4 areas	Up to 4 areas
<b>Lens</b>		
Focal Length	3.6mm Fixed	3.6mm Fixed
Max Aperture	F1.6	F1.8
Focus Control	Manual	Manual
Angle of View	H: 70°	H: 72.5°
<b>Video</b>		
Video Compression	H.264/MJPEG	H.264/MJPEG
Resolutions	720p (1280 x 720); D1 (704 x 576/704 x 480); CIF (352 x 288/352 x 240)	1080p (1920x1080); 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
<b>Network</b>		
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
<b>Auxiliary Interface</b>		
Onboard Storage	N/A	N/A
Alarm Input/Output	N/A	N/A
<b>General</b>		
Power Supply	DC12V, PoE (802.3af)	DC12V, PoE (802.3af)
Power Consumption	<4W	Max 6W
Operating Temperature	-30°C to 60°C	-30°C to 60°C
IP Rating	IP66	IP66
Vandal Resistant	N/A	N/A
Dimensions	70mm x 66mm x 155mm	70mm x 66mm x 155mm
Menu Languages	Chinese (simplified), English (default), French, German, Portuguese, Spanish	English (default), French, German, Portuguese, Spanish
Weight	0.5kg	0.62kg

Model	Description
IES01MFBNWIY	Illustra Essentials 1MP mini-bullet, 3.6mm, outdoor, nonvandal, white, TDN w/IR, WDR
IES02MFBNWIY	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	COLOUR	DAY/NIGHT/IR	WDR	OTHER	
I	E = Essentials	L = Lite	01 = 1MP	B = Bullet	N = None	N = None	B = Black	C = Colour 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						

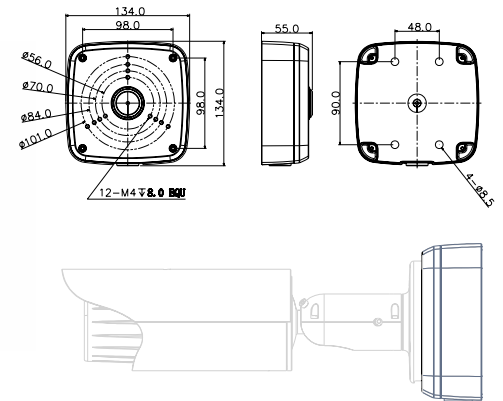
**Optional Mini-Dome Accessories**

Model	PFA130
Description	Junction Box
Dimensions	138mm x 42mm
Weight	0.38kg
Load Bearing	3.0kg



**Optional Mini-Dome Accessories**

Model	PFA122
Description	Water Proof Junction Box
Dimensions	134mm x 134mm x 55mm
Weight	0.5Kg
Load Bearing	3Kg



**Related Products**



VideoEdge



exacqVision



victor

**Approvals**



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