

# Essentials IP Mini-Dome Camera with IR



## 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 Mini IR-Dome 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 Mini-Dome 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 outside from reception areas or corridors which are illuminated through the windows and by indoor lighting revealing whole scene clarity such as faces in detail.

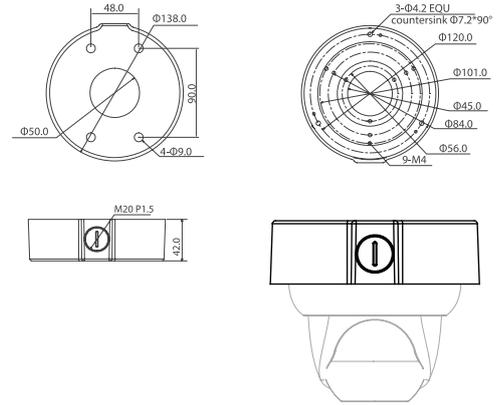
# Specifications

|                            | 1MP  | 2MP  |
|----------------------------|--|--|
| <b>Camera</b>              |  |  |
| Imager                     | 1/4"   | 1/3"   |
| Resolution                 | 1280 x 720   | 1920 x 1080  |
| Shutter Speed              | Auto/Manual 1/3(4) – 1/10000   | Auto/Manual 1/3(4) – 1/10000   |
| Minimum Illumination       | Colour: 0.1Lux/F1.2; B/W" 0.01Lux/F1.2; 0Lux (IR on)   | Colour: 0.1Lux/F1.6; 0Lux (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  | 20m  |
| 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               | F1.8   | F1.6   |
| Focus Control              | Manual   | Manual   |
| Angle of View              | H: 70°   | H: 71.9°   |
| <b>Video</b>               |  |  |
| Video Compression          | H.264/MJPEG  | H.264/MJPEG  |
| Resolutions                | 720p (1280 x 720); D1 (704 x 576/704 x 480);<br>CIF (352 x 288/352 x 240)  | 1080p (1920 x 1080); 720p (1280 x 720); D1 (704 x 576/704 x 480)<br>CIF (352 x 288/352 x 240)  |
| Max Frame Rate             | Main Stream: 720p (30ips)<br>Sub Stream: D1/CIF (30ips)  | Main Stream: 1080p/720p (30ips)<br>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, SNMP, 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  | <4.8W  |
| Operating Temperature      | -30°C to +60°C   | -30°C to +60°C   |
| IP Rating                  | IP66   | IP66   |
| Vandal Resistant           | N/A  | N/A  |
| Dimensions                 | 108mm x 86mm   | 108mm x 86mm   |
| Menu Languages             | Chinese (simplified), English (default), French, German, Portuguese, Spanish   | English (default), French, German, Portuguese, Spanish   |
| Weight                     | 0.26kg   | 0.36kg   |

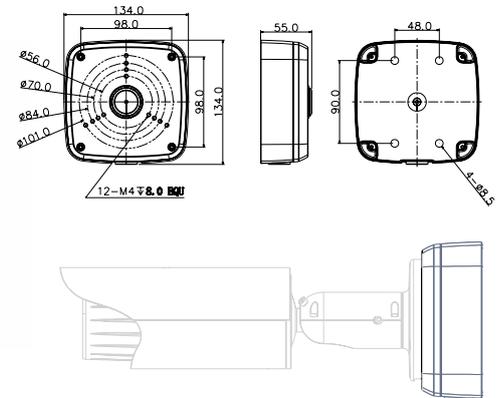
| Model        | Description   |
|--------------|---|
| IES01CFBCWIY | Illustra Essentials 1MP mini-dome, 3.6mm, outdoor, nonvandal, clear, white, TDN w/IR, WDR |
| IES02CFBCWIY | Illustra Essentials 2MP mini-dome, 3.6mm, outdoor, nonvandal, clear, white, TDN w/IR, WDR |

| 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              | 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             |                       |            |              |                    |                                 |                     |

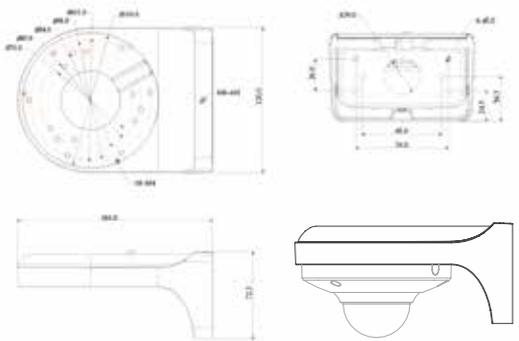
| Optional Mini-Dome Accessories |              |
|--------------------------------|--------------|
| Model                          | PFA130       |
| Description                    | Junction Box |
| Dimensions                     | 138mm x 42mm |
| Weight                         | 0.38kg       |
| 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                      |



| Optional Mini-Dome Accessories |                      |
|--------------------------------|----------------------|
| Model                          | PFB200W              |
| Description                    | Wall Mount           |
| Dimensions                     | 160mm x 120mm x 74mm |
| Weight                         | 1kg                  |
| Load Bearing                   | 1kg                  |



## Related Products



VideoEdge NVR



exacqVision



victor

## Approvals



Driving network video through global standardization

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