



PTZ-HD30-19 Installation Guide

READ THIS FIRST

IG-068

Revision History:

Rev 0	10-5-2023	Issue
-------	-----------	-------



1

Check Receipt of All Components.

1.1 Component List.

PTZ Camera including:

- Pan/Tilt/Zoom IP camera dome.
- Ultra High Power PoE injector.
- Wall mount with bracket and camera adapter.



PTZ-HD30-19.

NOTE: Special mounting equipment may be in a separate box and may require additional materials for installation. (Consult the specific kit for more information).

1.2 Additional Installation Requirements

The following items are required to properly complete installation:

- An RJ-45 Ethernet Cable (straight-through, any length).
- A Windows™ computer running Chrome or Edge browser.
- Dome lens cleaner.
- Tools for Special Mounting Kit (e.g. IVC Pole Mount Kit). (See kit for details).



2

Set Up and Bench Test Camera.

2.1 Remove Packaging and Inspect Camera.

To ensure the integrity of the camera during shipping certain packing materials may have been placed inside the camera to protect the lens and electronics. Remove these materials before operating the camera.

It is recommended that you apply a lens cleaner that includes water repellent (such as Rain-X™) to the outer dome of the camera as directed by the instructions included with the cleaner.

The dome lens is constructed of soft acrylic for optimal optical characteristics. It can be scratched easily. Use only a damp soft cloth or vigorous water spray to clean.

If any damage occurred during shipping please call our support line (617-467-3059) for assistance.

2.2 Connect Camera.

This camera supports 12 VDC connections. It can also work with high power PoE 802.3bt.

Data in the table below applies to copper cables that use 12 VDC power supply. The item Core Diameter indicates the conductor diameter. Please refer to the following information:

Core Diameter (Unit: mm) Distance (Unit: m) Power Consumption (Unit: W)	0.80	1.00	1.25	2.00
30	28	45	72	183
40	21	34	54	137
50	17	27	43	110
60	14	22	36	91
70	12	19	31	78
80	10	17	27	68
90	9	15	24	61
100	8	13	21	55
110	7	12	19	49
120	7	11	17	45

Data listed in the table below applies to copper cables that use 12 VDC power supply. The item Core Diameter indicates the conductor diameter.

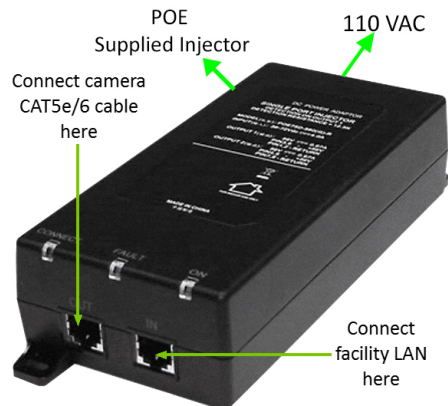
Core Diameter (Unit: mm)	0.80	1.00	1.25	2.00
Distance (Unit: m)				
Power Consumption (Unit: W)				
30	14	22.5	36	91.5
40	10.5	17	27	68.5
50	8.5	13.5	21.5	55
60	7	11	18	45.5
70	6	9.5	15.5	39
80	5	8.5	13.5	34
90	4.5	7.5	12	30.5
100	4	6.5	10.5	27.5
110	3.5	6	9.5	24.5
120	3.5	5.5	8.5	22.5

Locate the power wires on the pigtail and make your 12 VDC power connection.



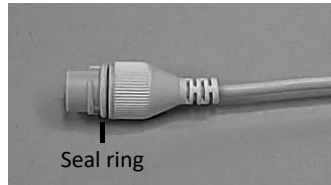
To power via PoE make your connections as shown below.

PoE

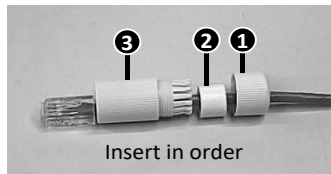


Waterproof components for an RJ-45 plug:

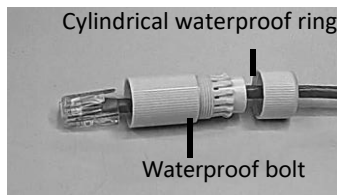
1. Attach the seal ring to the copper interface.



2. Mount the waterproof components.



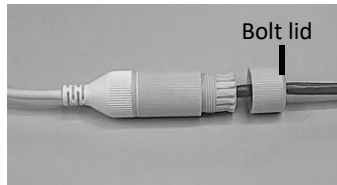
3. Insert the cylindrical waterproof ring into bolt.



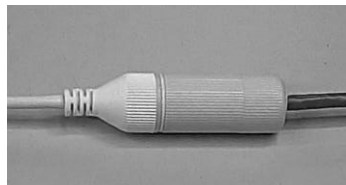
4. Insert the cable into the Ethernet copper interface, and screw the waterproof bolt in.



5. Screw in the waterproof bolt lid.

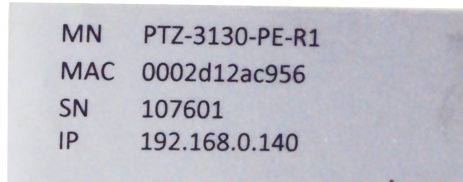


6. Finish the waterproof installation.



2.3 Set Camera IP Address.

For your convenience, the camera's default IP is printed on the information label attached to the camera and its shipping container.

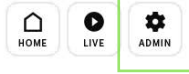


Example camera information label

The camera's IP address has been set on a 192.168.0.x/ class network. For this section, the computer you are using for bench testing must be set to the same subnet as the camera (e.g. 192.168.0.###). Consult your network administrator if you need assistance.

Once you have located the IP address please follow the instructions below to set it to a permanent address:

1. Using a web browser, enter IP address located on IVC label and the Main Page will come up.
2. Click on the "ADMIN" icon to login. Default username and password are: root/root.
3. After successful login, click on Network - IP address and proceed to enter the information. Apply your network settings for the camera.
4. Note: After a hardware reset is performed, the IP address will return to a default of DHCP.
5. Once the camera has been configured to communicate on your network, login to the IP - PTZ camera using the new IP address on the web browser and proceed to test functionality by clicking on the "LIVE" button. Make sure you can see live video and that you are able to move the camera by using PTZ controls on the page.
6. This concludes the initial setup and bench test.



Model : DMC-3614SEIM
Firmware ver : 4.53-184-rp_DU



- [-] Network
- [-] System
- [-] Video & Audio
 - » Stream Setup
 - » Camera Setup
 - » Text OSD
 - » PTZ Text OSD
 - » Motion Detection
 - » Audio Detection
 - » ROI
 - » PTZ Preset
- [-] Device
- [-] Recording
- [-] Advanced
- [-] Utilities

Stream Setup

Max Frame Rate	<input type="radio"/> 30 fps <input type="radio"/> 25 fps
Video with Flexible Extra System data	<input checked="" type="checkbox"/> Enable
Video with user defined message	<input type="checkbox"/> Enable
Video with PPP status	<input type="checkbox"/> Enable
Video with camera name	<input type="checkbox"/> Enable
Video with server name	<input type="checkbox"/> Enable
Video with IP address	<input type="checkbox"/> Enable
Time Stamp	Off <input type="button" value="v"/>
Audio Codec	G.711 μ -LAW <input type="button" value="v"/>
<input type="button" value="Apply"/>	

Primary Secondary Tertiary	
Camera Name	Primary Stream <input type="button" value="v"/>
Frame Rate	20 fps <input type="button" value="v"/>
Image Size	1920 x 1080 <input type="button" value="v"/>
Encoding Standard	H.264 <input type="button" value="v"/>
H.264 Profile	<input type="radio"/> Main <input checked="" type="radio"/> High
Rate Control Mode	CBR Mode <input type="button" value="v"/>
Target Bitrate	1.0 Mbps <input type="button" value="v"/>
GOP Structure	60 [1~100]
Audio	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
<input type="button" value="Apply"/>	



Network

- » IP Address
- » HTTP/HTTPS
- » RTP/RTSP
- » Network Status
- » DDNS
- » UPnP
- » SNMP
- » IP Filtering
- » Management White List
- » FTP/Telnet Control
- » ZeroConf

System

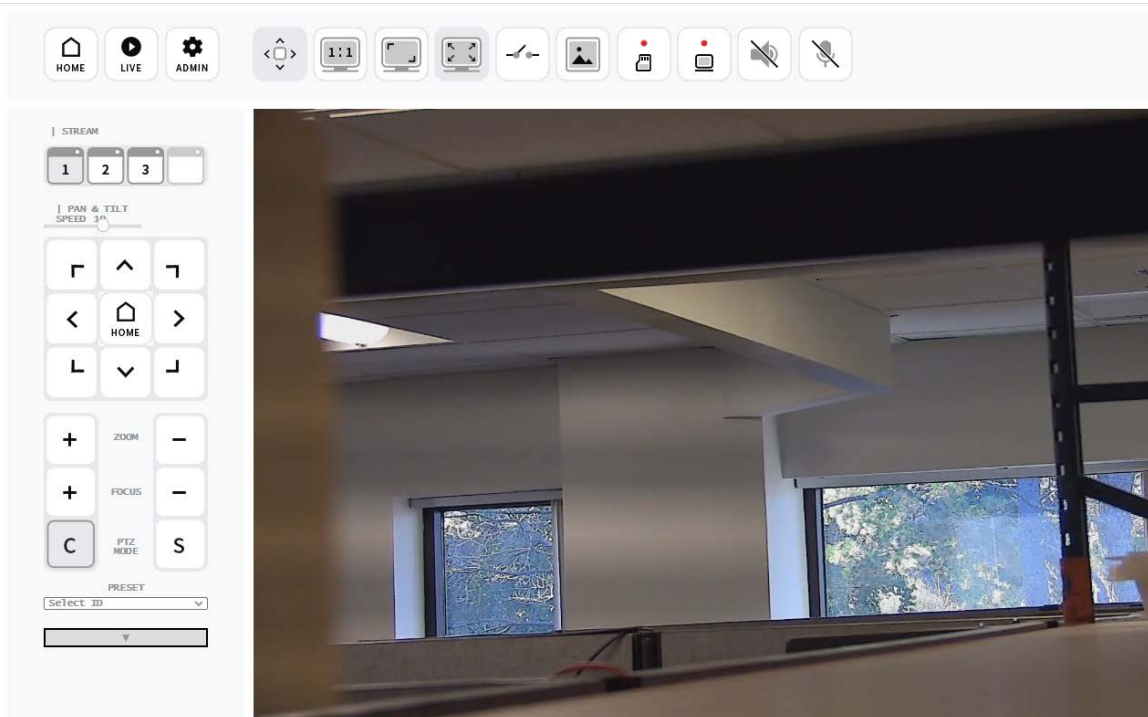
- » Video & Audio
- » Device
- » Recording
- » Advanced
- » Utilities

IP Address

IPv4

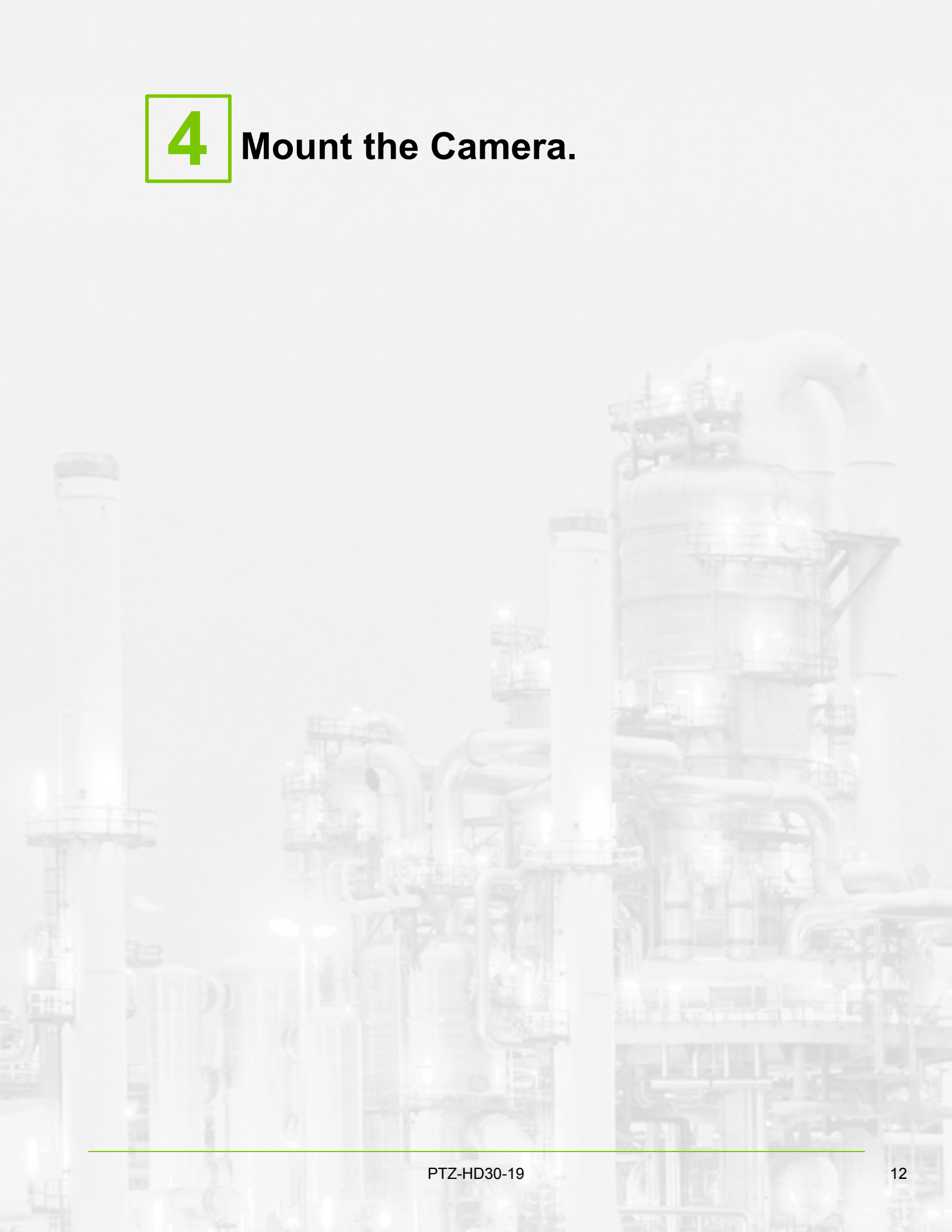
Service	<input checked="" type="radio"/> Static <input type="radio"/> DHCP
IP Address	192.168.20.156
NetMask	255.255.255.0
GateWay	192.168.20.1
DNS 1	168.126.63.1
DNS 2	168.126.63.2

Apply



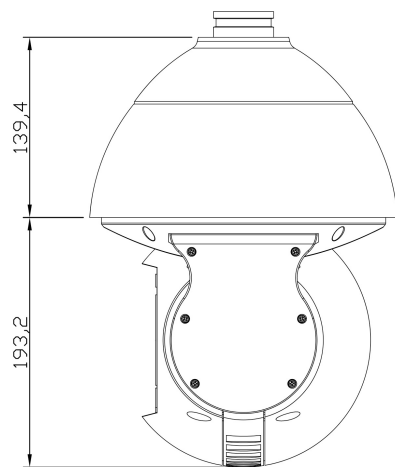
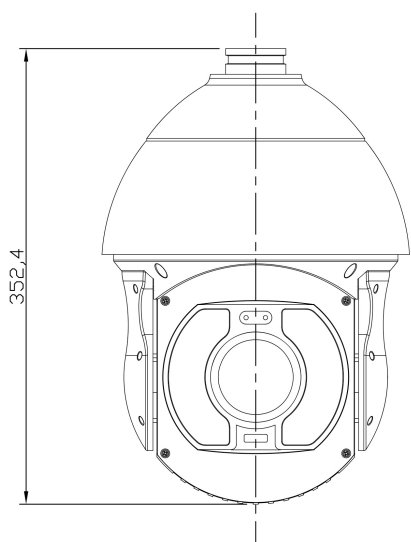
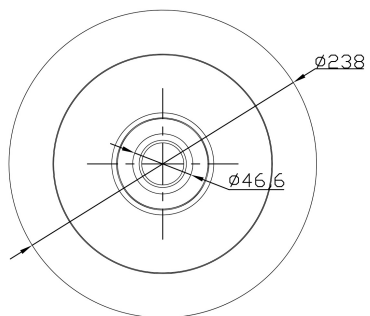
4

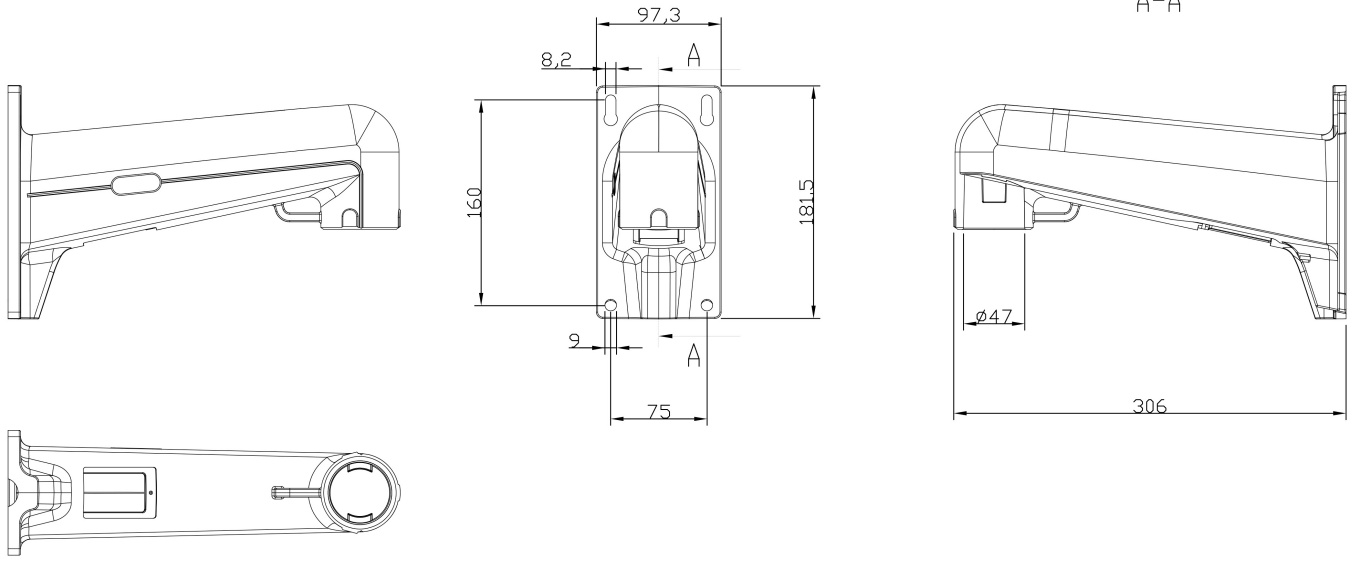
Mount the Camera.



4.1 Mounting Patterns.

It is important to mount the camera to a solid, stable surface or pole.





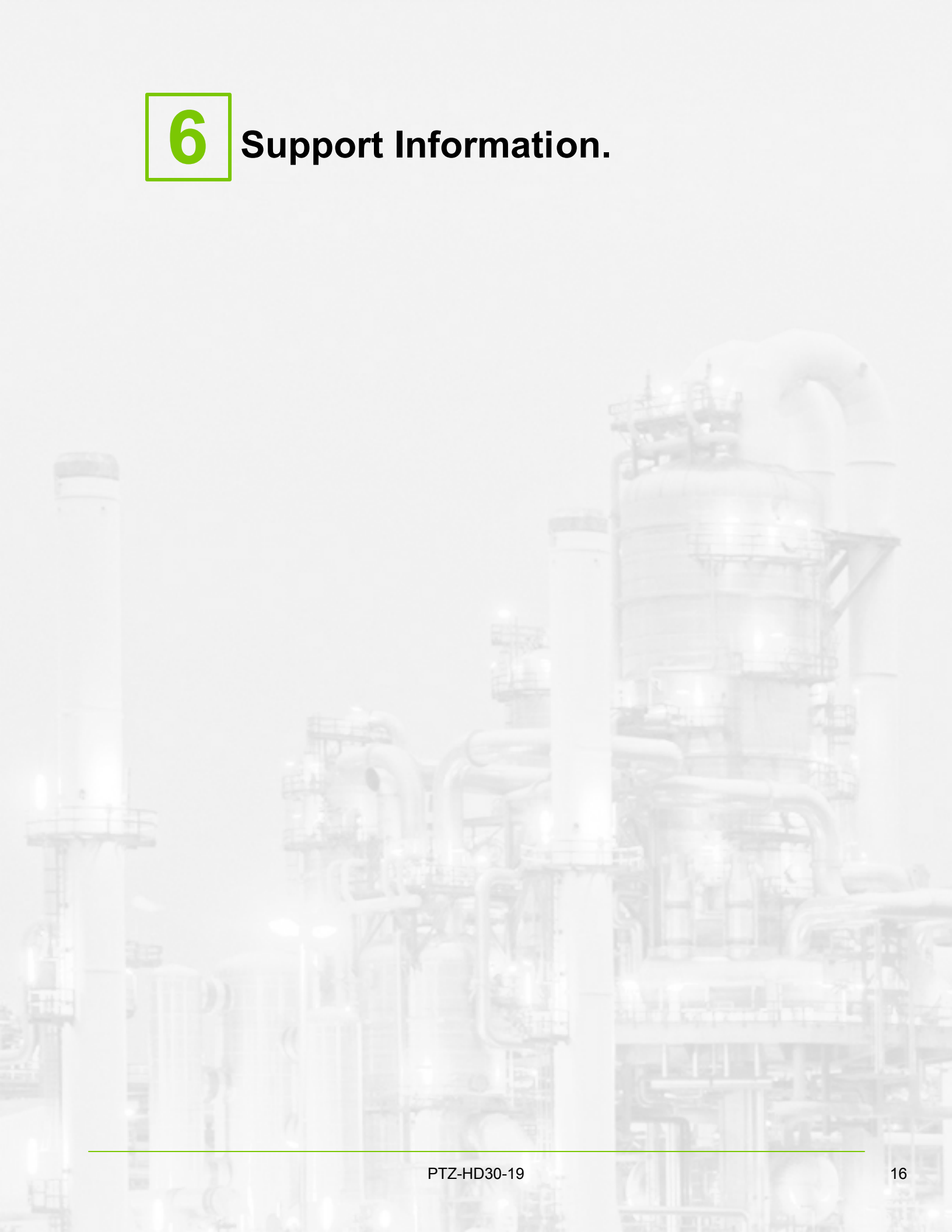
5

Specifications.

Imager	2 Megapixel 1/2" Progressive CMOS
Resolution	1920(H)×1080(V)
Minimum Illumination	Color: 0.15 Lux, BW: 0.01 Lux 0 Lux to 400 m with IR ON
F number	F1.5
Focal Length	6mm - 216mm
Zoom ratio	36x
Iris	Auto and Manual
Day/night	Night/Auto Slow/Auto Fast/Day
Focus	Auto, Manual, Oneshot
Back Light	Off / WDR / HLC / BLC / Defog
View Angle	65.56° (wide), 2.45 °(tele)
I/O Terminals	1 Inputs; 1 Output
Ethernet	100Base-TX/10BaseT (RJ-45)
Protocols	HTTP, TCP/IP, UDP, ARP, ICMP, RTP/RTSP/ DHCP, Telnet, FTP, ,NTP, DDNS, SMTP, UPNP, PPPoE, ONVIF, PSIA
Compression	M-JPEG, H.265/H.264
Frame Rate	30 FPS
Voltage Required	12 VDC, IEEE802.3bt PoE
Power Consumption	60 W Max
Weight	11.023lbs
Operating Temperature	-50° C - 60° C
Dimensions	9.29" W x 13.86" H
Mount	Wall Mount Standard*
Enclosure Rating	IP66, IK10
Certifications	CE, FCC, KC

6

Support Information.



If you experience any problems please call us (617-467-3059) or email support@ivcco.com.

Please note that no equipment (in-warranty or out-of-warranty) should be sent back to IVC without an Return Material Authorization (RMA). Contact IVC support or your IVC sales representative for an RMA.

CAUTION: All installations must insure the camera assembly is mounted securely to ensure that it cannot become dislodged during high wind, accidental bumping or other such incidents. All wiring must comply with NEC, NFPA, and local codes.

NOTE: IVC is not liable for direct or consequential damages resulting from use of this product and IVC makes no guarantees regarding results of intended and unintended use of the product.