

IDXOHDL Series Install Guide

For Camera Models: IDXOHDL • IDXOHDBL

Included Items:

- IDX Series Camera x 1
- Mounting Plate x 1
- 4x20mm Screws x 4
- Instructions x 1
- Mounting Template x 1
- DC12V Power Pigtail x 1

Required Items:

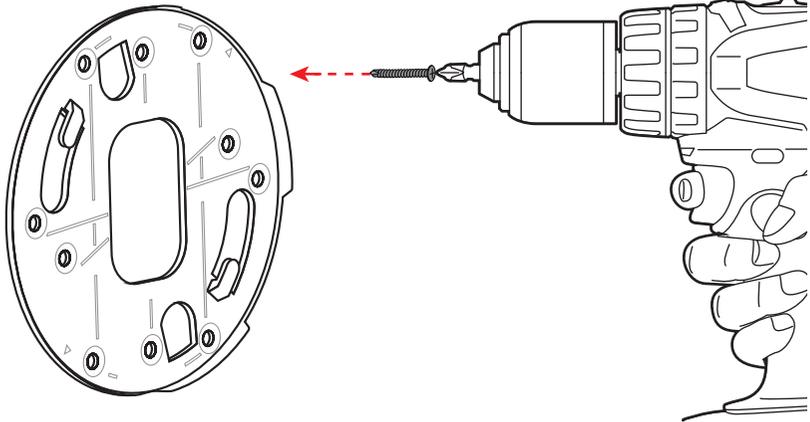
- Phillips Head Screwdriver or Drill with Phillips Head Bit
- DC12V Power Supply

Optional Items:

- Test Monitor

1. INSTALL MOUNTING PLATE

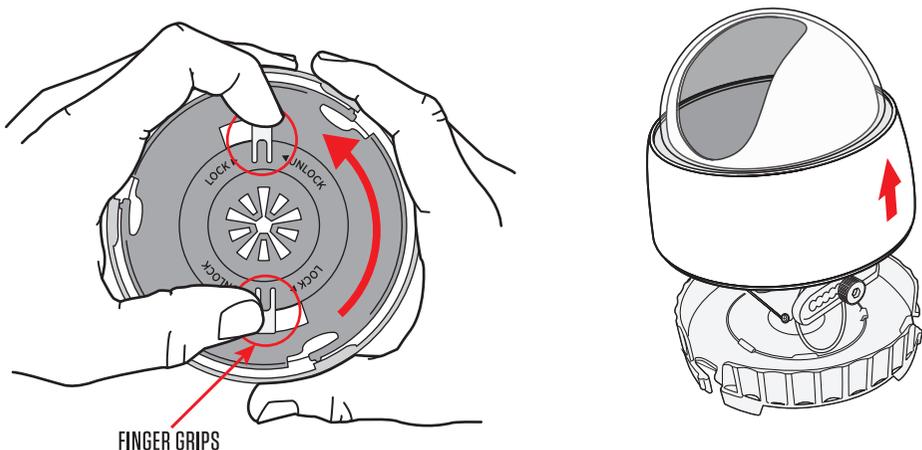
Secure the Mounting Plate to a compatible conduit box (Single Gang, Double Gang, 3-1/4" & 3-1/2", or 4" Oct/Rd) using the screws that came with the conduit box, or mount to a solid surface using the 4 screws included with this camera.



NOTE: It is recommended to use drywall anchors if mounting to drywall. Drywall anchors not included.

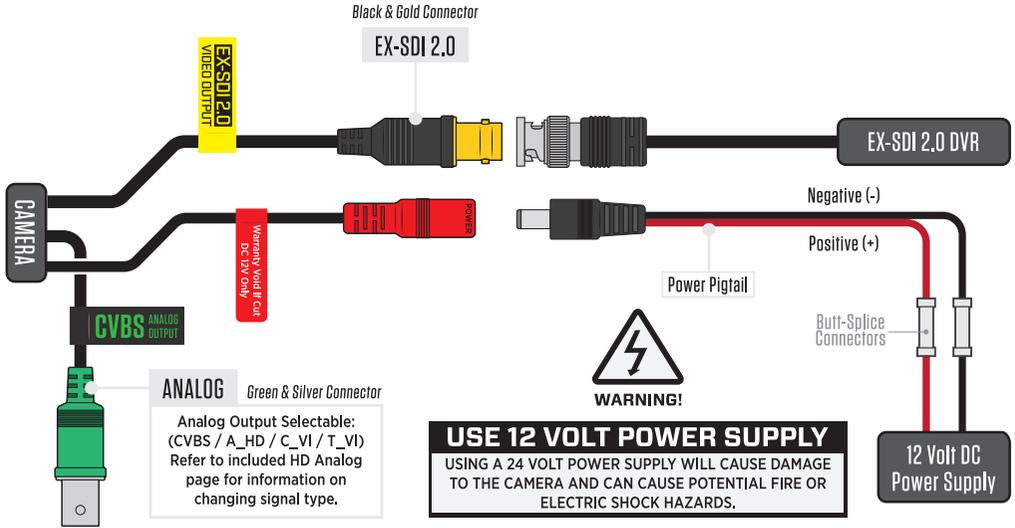
2. REMOVE DOME COVER

Hold the dome cover with one hand while gripping the finger grip tabs on the bottom of the camera base. Turn the finger grip tabs (camera base) counter-clockwise to separate it from the dome cover.



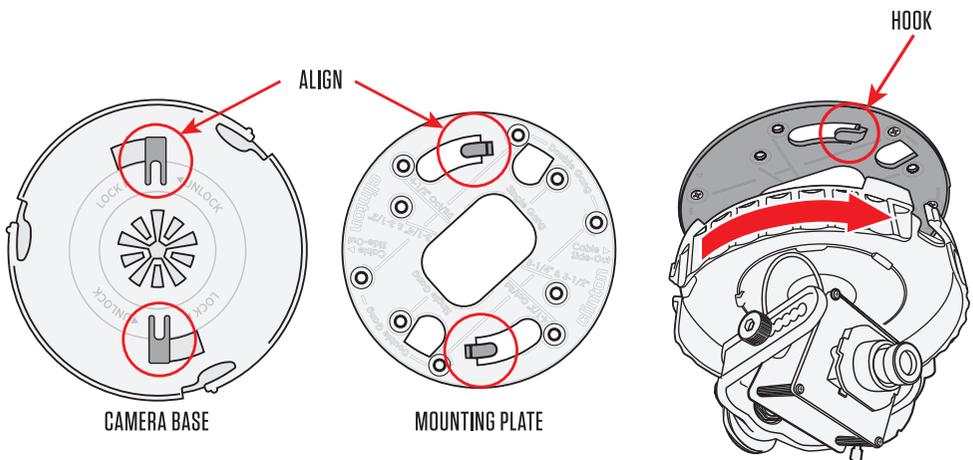
3. CONNECT CABLES

Connect the power connection and BNC cable (BLACK connector is for EX-SDI 2.0, GREEN connector is for Analog video). **Use 12 Volt DC only for camera power!** If using 18/2 wire for the power wire: use the supplied 12V Power Pigtail and attach to wire with appropriate wire connector, such as a butt-splice connector. Feed any cable slack into the mounting surface. To ensure quality operation, verify proper BNC and power termination, along with proper voltage at camera.



4a. ATTACH CAMERA TO MOUNTING PLATE (for cable exiting through mounting plate)

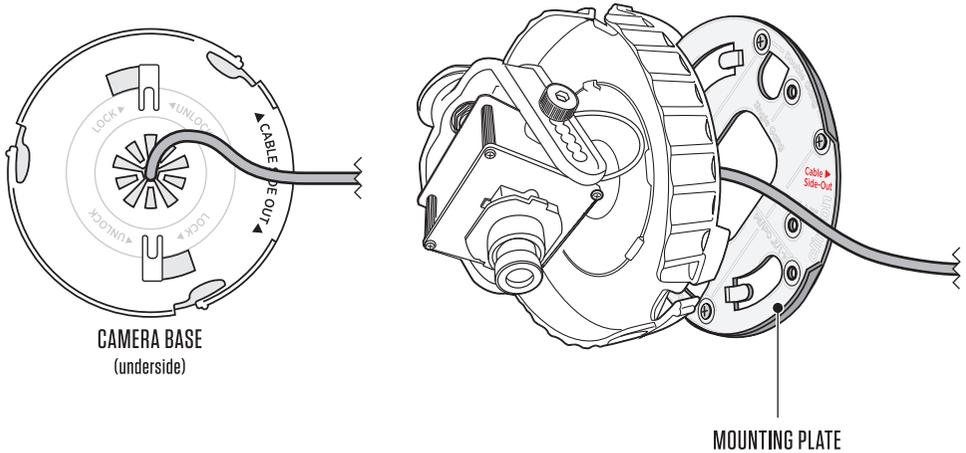
Attach the camera to the mounting plate by aligning the hooks on the mounting plate to the tabs on the camera base. Twist the camera base clockwise to lock it in place.



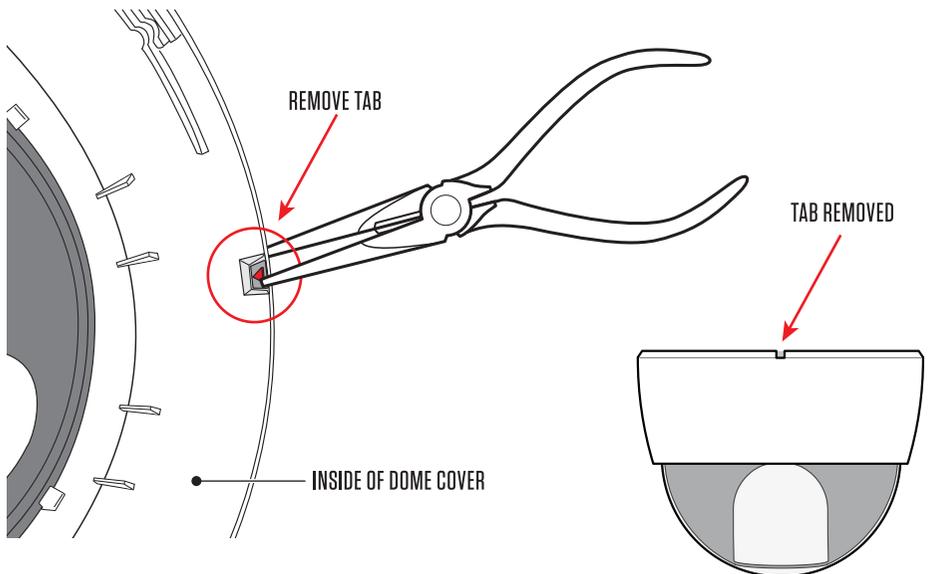
4b. ATTACH CAMERA TO MOUNTING PLATE (for cable side exit)

When running the cable out the side of the camera rather than through the center hole in the mounting plate, hold the cable to the camera base where it says "CABLE SIDE OUT." Align the cable exiting the camera to the notched out area on the mounting plate marked "Cable Side-Out"

Attach the camera to the mounting plate by aligning the hooks on the mounting plate to the tabs on the camera base. Twist the camera base clockwise to lock it in place.



To allow the cable to exit the side of the dome cover, remove the tab marked with an arrow (on the inside of the dome cover) with a pair of needle-nose pliers.



5. CAMERA ADJUSTMENT / OSD CONTROL

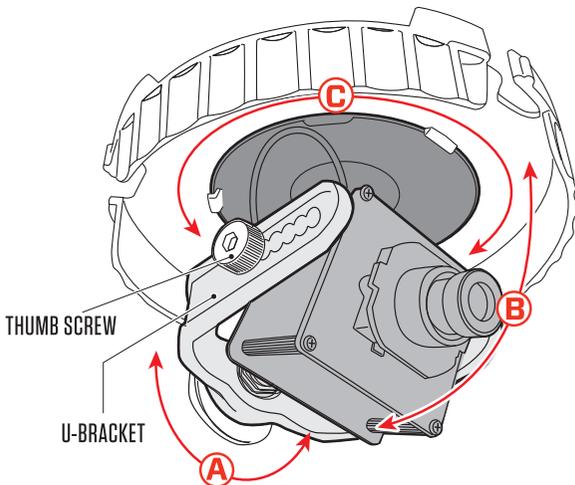
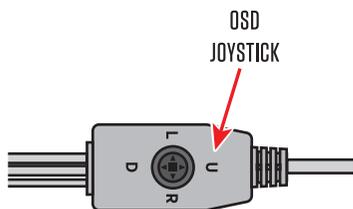
Adjust the angle of the camera as necessary.

OSD Adjustment can be made by using the OSD Joystick (located on the cable). Refer to OSD Manual for detailed instructions on adjusting camera settings.

A. Lens Rotation: Rotate the U-Bracket on the gimbal to adjust.

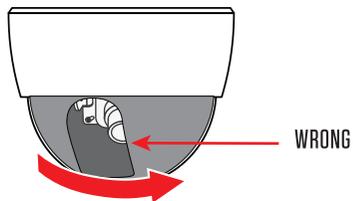
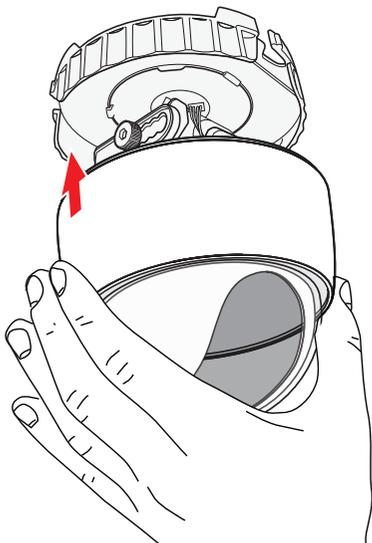
B. Lens Angle: Loosen thumb screws on each side to adjust the tilt of the lens.

C. Camera Plate Rotation: Pinch the gimbal U-Bracket and rotate the camera assembly on the base.

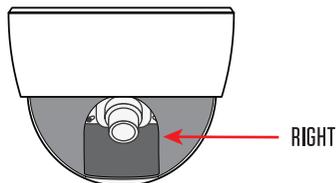


6. REPLACE DOME COVER

Prior to replacing the dome cover remove the protective film on the inside of the dome cover. Carefully replace the dome cover onto the camera assembly by twisting the dome cover clockwise to lock into place. It may be necessary to rotate the clear dome slightly to align the cut out in the mask with the lens.



ROTATE DOME AS NECESSARY



EX-SDI Install Tips

The default SDI output (black connector) is set to: EX-SDI 2.0

COMPATIBILITY

While EX-SDI, HD-SDI and Analog share the same type of cable and connectors, that is where the similarities end.

- EX-SDI will not work on Analog only DVRs
- EX-SDI will not work on C_VI, T_VI, A_HD DVRs
- EX-SDI will not work on HD-SDI only DVRs

When making video connections, ensure the correct BNC connector is used (BLACK Connector is EX-SDI, GREEN Connector is Analog).



EX-SDI / HD-SDI



ANALOG VIDEO

DISTANCES

The camera is defaulted to EX-SDI 2.0, which is capable of transmitting video up to 1,400' over RG59 coax cable.

Distances will vary depending on coax integrity.

HDSDI 275 Feet

EX-SDI 800 Feet

EX-SDI 2.0 1,400 Feet

Cable splices, improper BNC termination, damaged shielding, kinks and severe bends in the cable will reduce the possible distance of the video transmission.

*Greater distances are possible using RG6 Quad-Shield cable.

UCC - Up the Coax Control

For UCC to function, SDI Output from the camera must be set to EX-SDI 2.0 & connected DVR must be EX-SDI 2.0/UCC compatible. The ID & Baudrate must match on Camera and DVR.

To change the ID & Baudrate of the camera: Enter the camera's OSD menu- then access the SERIAL Menu and scroll to CAM ID and/or BAUDRATE to set the desired settings.

SERIAL	
CAM ID	1
ID DISPLAY	OFF
BAUDRATE	9600
RETURN	↓

If set to HD-SDI or EX-SDI 1.0, UCC may NOT function.

*Refer to DVR manual to adjust ID & Baudrate settings.

**Depending on DVR model, there may be an option for UCC Type (A/B). For most 2MP cameras select Type B.

SDI Output

To change the digital video output of the camera (SDI Output): Enter the camera's OSD menu- then access the SYSTEM Menu and scroll to SDI Output and move left or right to change to the desired output.

SYSTEM	
SDI OUTPUT	EX-SDI 2.0
FRAME RATE	1080 30p
VIDEOSYS	NTSC
CVBS FILTER	OFF
LANGUAGE	ENG
CAM TITLE	OFF
RESET	ON
RETURN	↓

HD-SDI / EX-SDI 1.0 / EX-SDI 2.0

*Refer to camera OSD manual for more information.

If you need further help call Clinton Electronics Technical Support at 800-549-6393.

Information in this document is subject to change without notice

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HD ANALOG

**This camera's default Analog video output is set to: CVBS*

HD Analog Compatibility

While Analog (CVBS) and HD Analog (T_VI, C_VI, A_HD) share the same type of connectors, they're different signal types that are not compatible with each other.

Use the **GREEN BNC connector for Analog/HD Analog** Output (Black connector is EX-SDI).



ANALOG

EX-SDI 2.0



See reverse side of sheet for SDI info

HD Analog will not work on EX-SDI only DVRs & Devices

Because there are signal tuning variations between each HD Analog DVR manufacturer— we can not guarantee that the HD Analog output from the camera will display correctly with off-brand equipment.

HD Analog Distance

HD Analog signals degrade with long runs of cable. The image can appear washed out and lacking color saturation (black & white), for best results use EX-SDI.

HD Analog Output

Before changing the HD Analog output of the camera, check the compatibility of the DVR to ensure that it can accept the desired camera output. Selecting an incorrect HD Analog output from the camera can result in poor video quality or no video on the DVR.

To change the HD Analog Output: Enter the OSD Menu of the camera, then access the SYSTEM Menu. Select the desired HD Analog Output (**CVBS**, **A_HD**, **T_VI**, or **C_VI**).

Changing the HD Analog Output here also affects the analog test monitor outputs on the CE-REMOTE and the 2-pin test monitor connection located on the camera board.

SYSTEM	
SDI OUTPUT	EX-SDI 2.0
HD ANALOG	CVBS
FRAME RATE	1080p 30
VIDEOSYS	NTSC
CVBS FILTER	OFF

*CVBS / A_HD / T_VI / C_VI

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