CE-BRCAMHD Install Guide

Included Items:
• Camera x 1
• Double-Sided Adhesive x 2
• Instructions x 1

Required Items:
• Glass Cleaner
• DC12V or AC24V Power Supply

**Optional Items:**
• Test Monitor

1. CLEAN GLASS SURFACE

It is very important that the glass surface the camera will be installed onto is clean. A dirty surface will not only limit how well the adhesive bonds to the glass, it can also cause poor camera image. Use glass cleaner or a mild soap/water mix to clean the glass, then wait at least 30 seconds for the surface to dry.

Glass Window

Glass Cleaner

Wait

30 Seconds
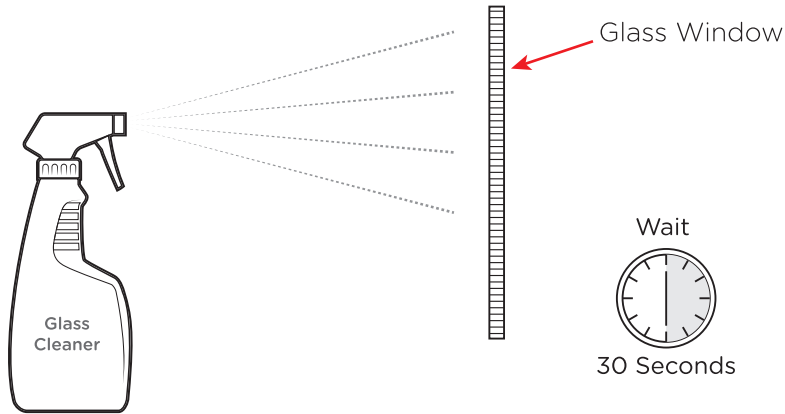
2. VERIFY CAMERA PLACEMENT

Before mounting the camera to the glass surface it is recommended to verify proper placement with a test monitor. Remove the protective film from the front, taking care not to touch the lens. Refer to step 5 for video and power connections.

Glass Window

TEST MONITOR
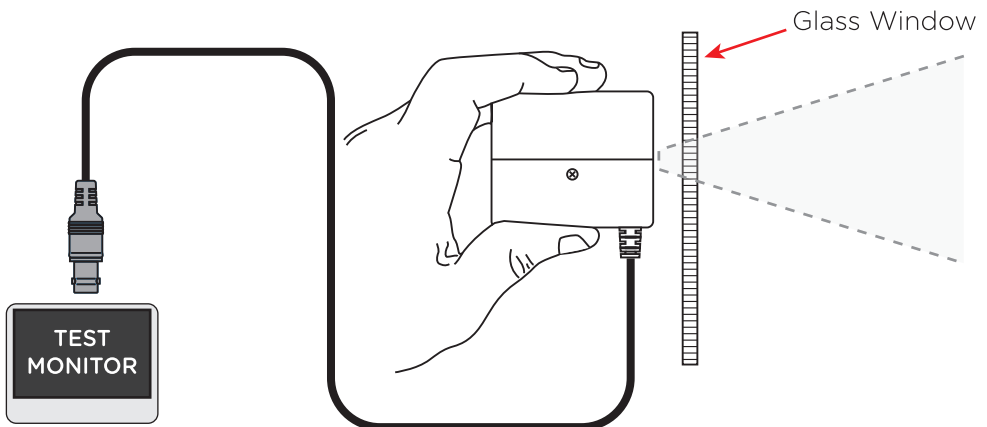
3. PREPARE DOUBLE-SIDED ADHESIVE

**A**. Remove the backing from one side of the double-sided adhesive.

B. Make sure the front surface of the camera is clean, then carefully apply the exposed adhesive to the front of the camera. If the front of the camera is not clean (greasy finger prints, dirt, dust, etc.) the adhesive may eventually fail.

C. Remove the remaining backing material from the adhesive strip.
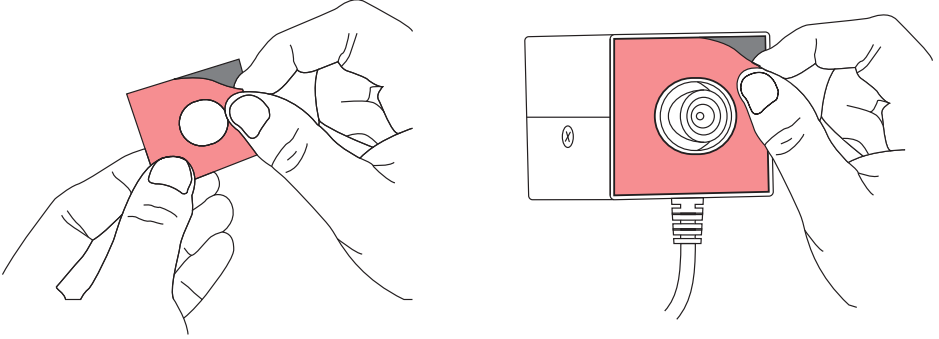
4. ATTACH CAMERA TO GLASS

Firmly apply the camera to a clean glass surface. Hold in place for 10 seconds to ensure the adhesive bonds with the glass. The camera should be installed with the cable facing downwards for the image to be correct. If the cable is facing up the image can be flipped 180° using the OSD— refer to step 6.

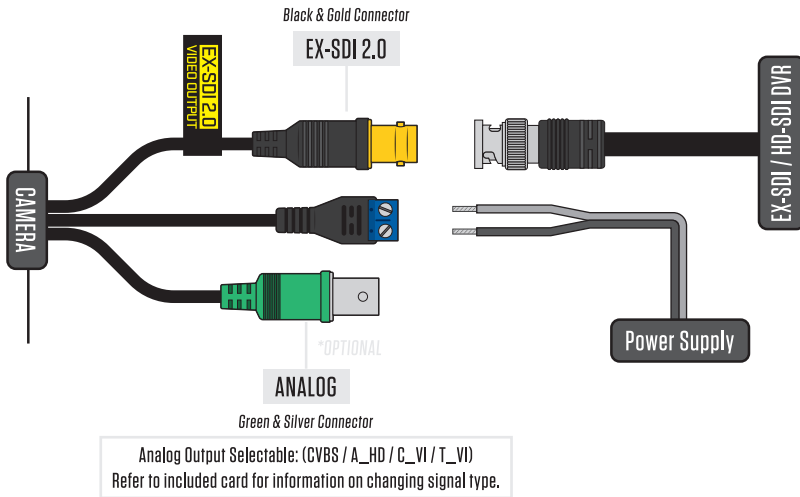Glass Window

Hold For

10 Seconds
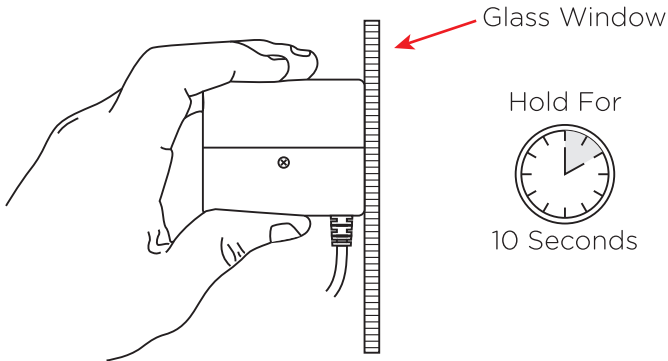
Clean the desired glass surface so it is free from dust, dirt or grime. The adhesive will eventually fail if applied to a dirty surface.

The adhesive strip is not designed to be removed– this is a one time application. Verify proper placement before attaching to glass.

5. CONNECT CABLES

Make connections to the power and BNC cable (BLACK connector is for EX-SDI, GREEN connector is for Analog video). To ensure quality operation, verify proper BNC and power termination, along with proper voltage at camera.

Black & Gold Connector

EX-SDI 2.0

EX-SDI 2.0
VIDEO OUTPUT

EX-SDI / HD-SDI DVR

CAMERA

Power Supply

OPTIONAL

ANALOG

Green & Silver Connector

Analog Output Selectable: (CVBS / A_HD / C_VI / T_VI)
Refer to included card for information on changing signal type.

6. CAMERA IMAGE ADJUSTMENT (OSD Control)

The camera is factory setup with settings that will be fine for most installs. If adjustments need to be made to fine tune the image– use the OSD joystick that can be found on the main cable from the camera. Refer to OSD Manual for detailed instructions on adjusting camera settings.
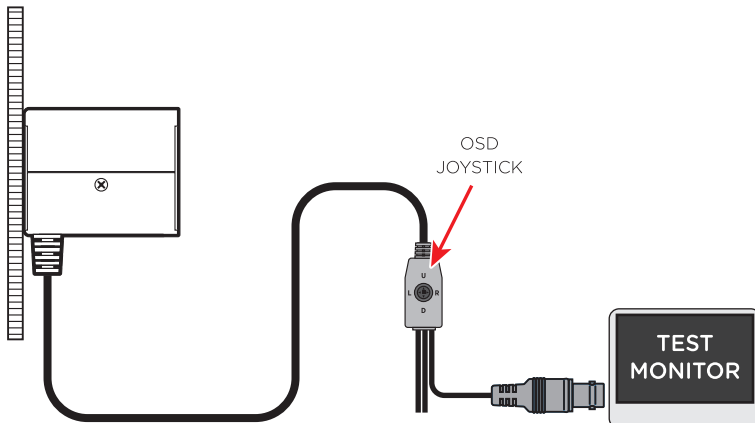
OSD
JOYSTICK

U
L   R
D

TEST MONITOR

EX-SDI Install Tips

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 2.0

ANALOG

DISTANCES

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 - Universal Coax Comm.

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 & 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   v.04.22.19