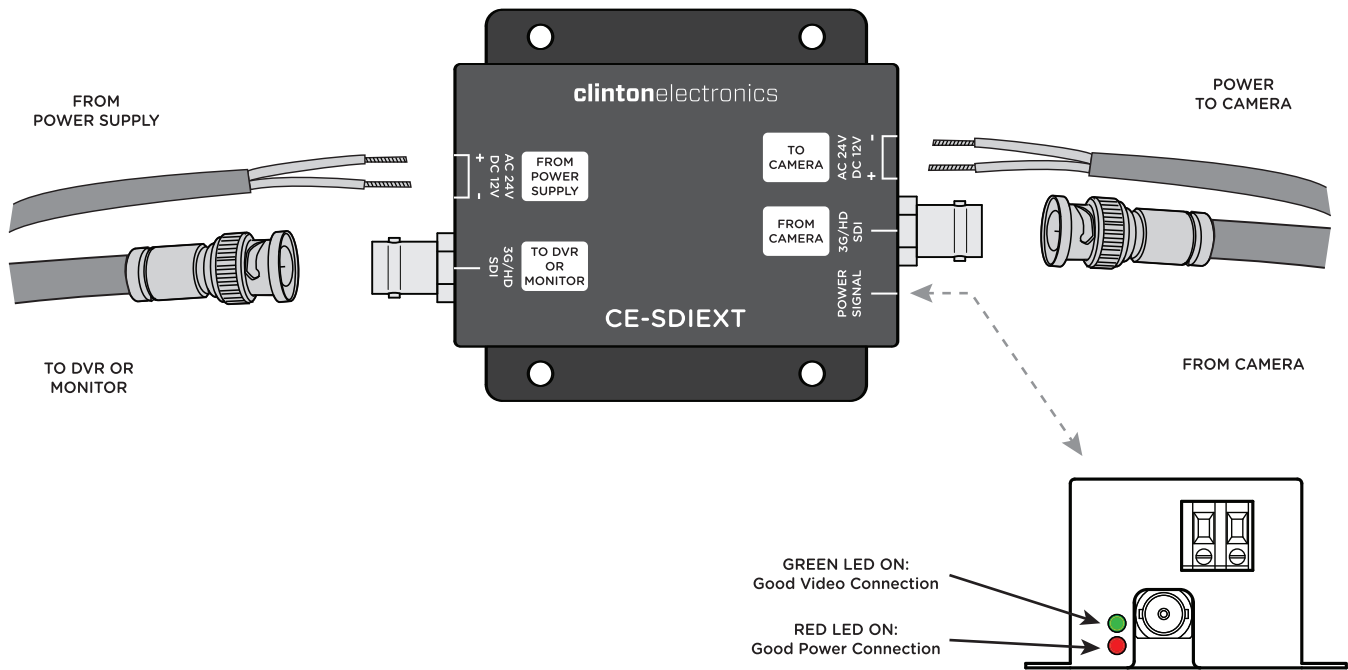


CE-SDIEXT

INSTALLATION GUIDE

Before any installation or maintenance work, please disconnect your system from the utility. Ensure that it can't be reconnected inadvertently! Installation and service should be done by qualified personnel only. All work should conform to local codes.



POWER

Industry Standard Voltage Drop Rules Apply:

HD-SDI cameras follow the same industry standard voltage drop rules as analog cameras do, even when using one or more CE-SDIEXT HD-SDI Extenders.

Power Consumption of the CE-SDIEXT

Each CE-SDIEXT consumes 150mA (DC12V) or 80mA (AC24V). You must take this power consumption into account when calculating the distance of your power runs.

The CE-SDIEXT is Designed to Extend Power:

It is important to note that the CE-SDIEXT does not amplify the power signal in any way. Your input voltage will continue to drop along the length of your cable run.

VIDEO

Placement of the CE-SDIEXT:

As a general rule we recommend that you place an CE-SDIEXT every 275 ft of your cable run. Note that this distance can vary based on the quality of your RG59 coax cable.

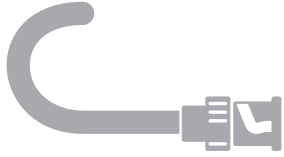
The CE-SDIEXT is Designed to Extend HD-SDI Video.

It is important to note that the CE-SDIEXT does not amplify the video signal in any way. It simply extends the HD-SDI video signal by re-clocking. If you have a poor HD-SDI signal input at the CE-SDIEXT, the extender will not improve upon the signal.

When in Doubt Test the Signal:

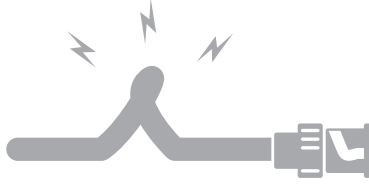
We highly recommend using the CE-SDITEST as a means to test the HD-SDI video signal integrity. Signal quality can vary with different types of RG59 coax cable. Testing the signal will help define the proper distance of cable runs and placement of the CE-SDIEXT.

HD-SDI INSTALL TIPS



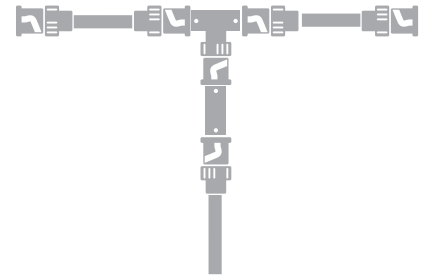
Existing Coax:

Coax cable that once worked fine for analog may not be suitable for HD-SDI installations. HD-SDI is a digital signal that has a different transmission method than analog. It is important to test the cable before committing to using the existing coax cable for your installation.



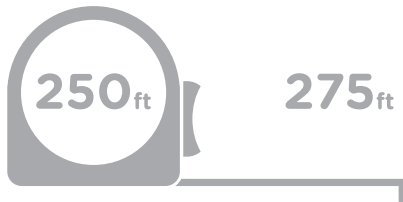
Coax Cable Integrity is Critical:

Do not kink or bend the coax cable at an extreme angle. The integrity of the outer shielding of coax is very important to the HD-SDI signal. Damaged cable reduces the signal strength and could even cause no video.



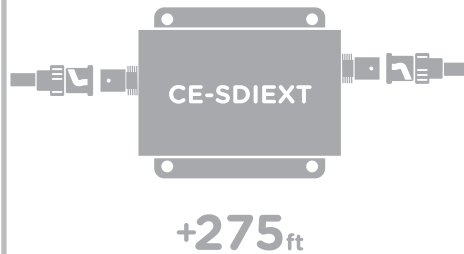
Avoid Splices:

Splices and poor quality connectors are not suitable for a HD-SDI system. Avoid splices at all costs and only use high quality compression style BNC connectors.



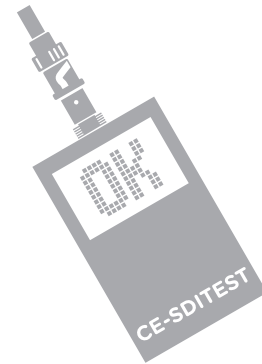
Typical Distance:

The typical distance with Clinton CE-CB1000 or CE-CW1000 Siamese cable range from 250-275 feet.



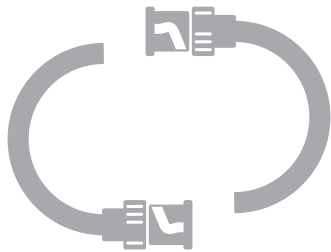
Longer Distances:

If you plan to run the coax longer than 275 feet, we strongly recommend that you use an HD-SDI extender like the CE-SDIEXT.



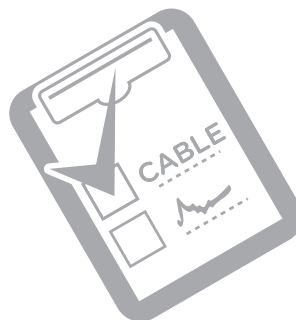
Coax Cable Testing:

It is advised to use a signal generator (CE-SDIGEN) and a cable tester (CE-SDITEST) to check the cable to see if it will be OK for an acceptable HD-SDI signal.



Analog and HD-SDI are not interchangeable.

While HD-SDI and Analog share the same type of cable and connectors, that is where the similarities end. Analog cameras will not work on HD-SDI DVRs and HD-SDI cameras will not work on Analog DVRs.



When in doubt test the cable:

Before you suspect the HD-SDI camera or DVR is defective please check the device with a short piece of coax cable to make sure it is not the cable run causing the trouble.



We are here to help:

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