SDITEST
USER GUIDE

We highly recommend using the 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.

Included Items:
- HD-SDI Cable Tester
- 9 Volt Battery

Optional Items:
- CE-SDIEXT (HD-SDI Extender)
- CE-SDIGEN (HD-SDI Signal Generator)

OPERATION

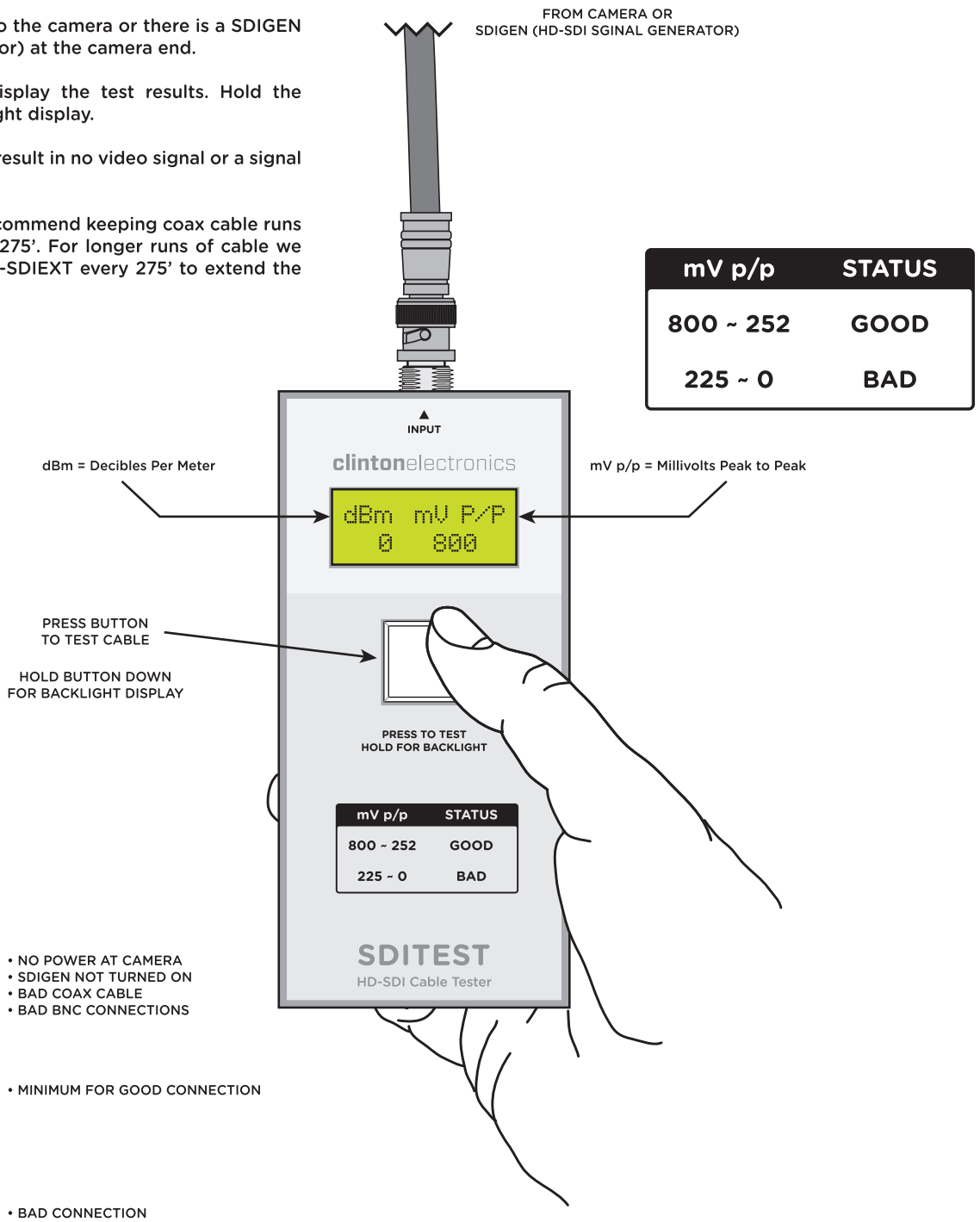
From the head end (DVR or Monitor) location, connect coax cable into the INPUT of the HD-SDI cable tester.

Ensure there is power to the camera or there is a SDIGEN (HD-SDI Signal Generator) at the camera end.

Press the button to display the test results. Hold the button down for backlight display.

A poor connection will result in no video signal or a signal that cuts in and out.

As a general rule we recommend keeping coax cable runs at a maximum of 250'~275'. For longer runs of cable we recommend using a CE-SDIEXT every 275' to extend the video signal.



mV p/p	STATUS
800 ~ 252	GOOD
225 ~ 0	BAD

OUT OF RANGE
LOW

- NO POWER AT CAMERA
- SDIGEN NOT TURNED ON
- BAD COAX CABLE
- BAD BNC CONNECTIONS

dBm mV P/P
-10 252

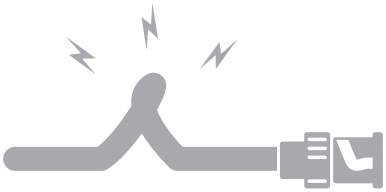
- MINIMUM FOR GOOD CONNECTION

dBm mV P/P
-11 225

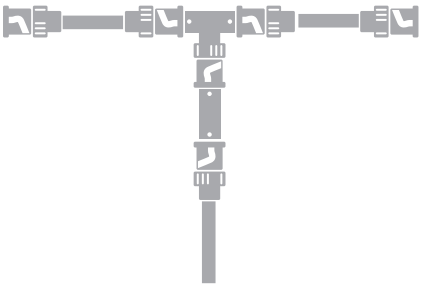
- BAD CONNECTION
- KEEP COAX CABLE LENGTH AT OR BELOW 250'~275'
- USE SDIEXT (EXTENDER) EVERY 250'~275' FOR LONGER INSTALLATIONS OF COAX CABLE
- INSPECT CABLE AND CONNECTIONS FOR DEFECT
- REPLACE CABLE AND/OR BNC CONNECTIONS

HD-SDI INSTALL TIPS

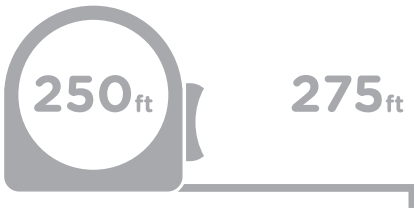
Existing Coax:
Coax cable that once worked fine for analog may not be suitable for HD-SDI installations. HD-SDI is a digital signal that has a different transmission method than analog. It is important to test the cable before committing to using the existing coax cable for your installation.



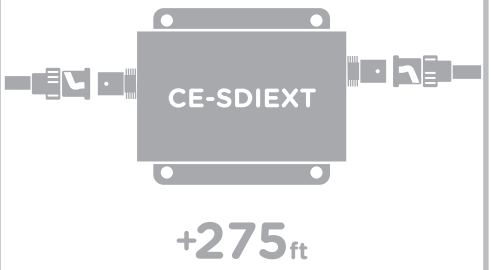
Coax Cable Integrity is Critical:
Do not kink or bend the coax cable at an extreme angle. The integrity of the outer shielding of coax is very important to the HD-SDI signal. Damaged cable reduces the signal strength and could even cause no video.



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.

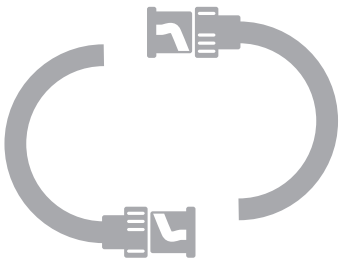


Typical Distance:
The typical distance with Clinton CE-CB1000 or CE-CW1000 Siamese cable range from 250-275 feet.

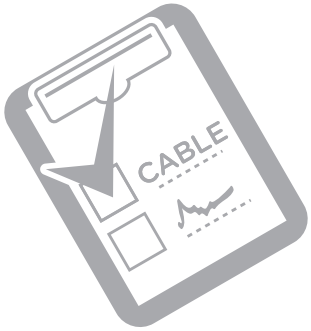


Longer Distances:
If you plan to run the coax longer than 275 feet, we strongly recommend that you use an HD-SDI extender like the CE-SDIEXT.

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.