

GLE/HD-SDI-SPLITTER-200

HD-SDI Passive Video Splitter

Applications

- Onboard and harsh environments instrumentation.
- Armoured / heavy-duty vehicles testing.
- Flight Testing / Certification of civil and military aircrafts.
- Railway and Automotive Testing.

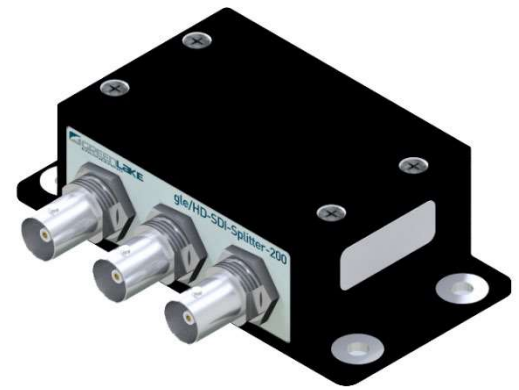
Description

GLE/HD-SDI-Splitter-200 is an exceptionally robust and compact passive device designed to split a single source SMPTE 292M digital

video signal, without interference or impedance-mismatch, into two full-quality video signals and send them over coax cable up to 30 m (*).

The unit has one input and two output BNC connectors, with 75 Ohm impedance characteristic.

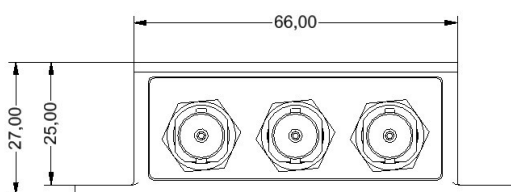
(*) Using Belden® RG-6U - 1694A cable.



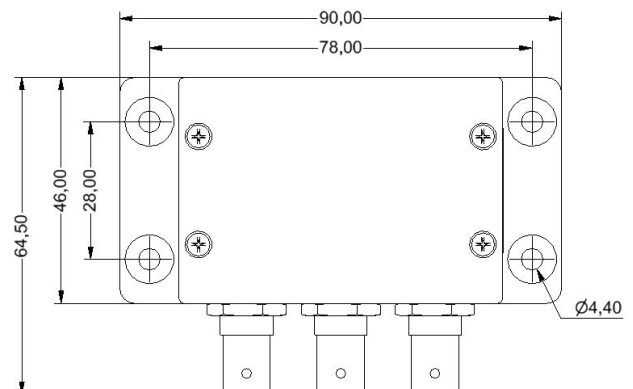
Main Characteristics

Input interface	HD-SDI SMPTE 292M digital video (up to 1.485 Gbps)
Input connector	BNC 75 Ohm
Output interface	HD-SDI SMPTE 292M digital video (same resolution and rate of input interface)
Output connector	BNC 75 Ohm
Insertion Loss	< 4 dB
Enclosure	EMI/EMC shielded milled aluminum box, Surtec 650 anodized and polyurethane painting
Weight	< 200 grams
Temperature Range	Operating: -40 ÷ +85°C
Humidity	0 ÷ 95% RH
Altitude	Up to 65000 ft
Shock & Vibration	Certifiable per MIL-STD 810F

Mechanical Drawing



all measures are in millimeters
approx weight <190g



Connectors and Pin Assignment

Equipment Connectors type			
Designation	Function	Type	Mating
J1	HD-SDI input	BNC 75 Ohm Socket	BNC 75 Ohm Plug
J2	HD-SDI output	BNC 75 Ohm Socket	BNC 75 Ohm Plug
J3	HD-SDI output	BNC 75 Ohm Socket	BNC 75 Ohm Plug

In order to achieve the specified performance, it is recommended to terminate any unused port with a 75 Ohm terminator.

Mating connectors are not provided

Due to continuous developments, specifications are subject to change without prior notice.

This product is not intended for applications whose its failure to perform can be expected to cause damages to properties and/or persons and/or injury to human life.

GreenLake Engineering Srl
the engineering branch of Instrumentation Devices
Via Acquanera 29 22100 COMO - Italy
ph +39.031.521.076 - fax +39.031.507.984 - info@greenlake-eng.com

www.greenlake-eng.com