

# GLE/ HD-SDI-Splitter-100

## 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-100 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 (\*).

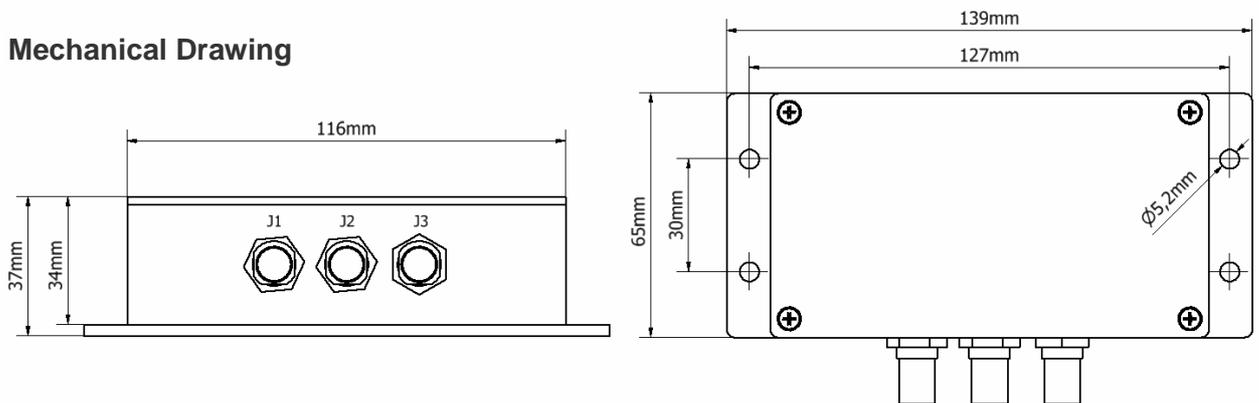
The unit has one input and two output BNC connectors, with 75 Ohm impedance characteristic.

(\* 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, Alodine coated milled aluminum (116x35x65 mm w/o mounting flange)
Weight	< 330 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



### 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.*

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