

## 12G-GI

### 4K/UHD SDI Video Galvanic Isolator

12G-GI is a 4K/UHD SDI video inline isolator, which is used to isolate the environmental noise in the SDI signal transmission link, block the DC voltage contact between the upstream and downstream equipment of the transmission, and protect signal transmission quality from static interference and continuous damage from ground loops.

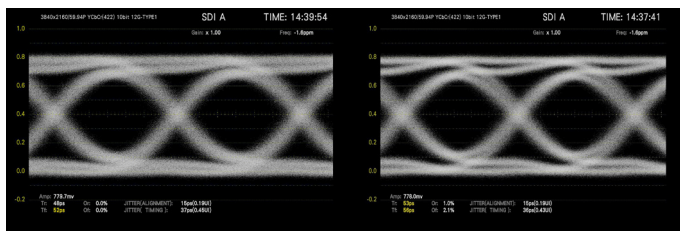
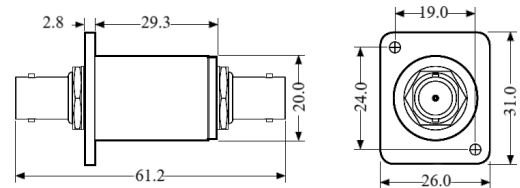
12G-GI can be used for a complete 12G/4K/8K UHD SDI video signal chain, and is compatible with all SDI formats including 6G, 3G, HD and SD. Its cylindrical insulating shell can effectively block DC voltage and environmental interference. Both ends of the isolator are equipped with standard size BNC connectors, and one end is equipped with an industry standard size mounting flange.



### Features

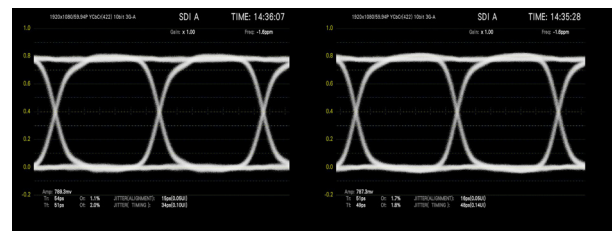
- Full DC galvanic isolation between equipment, both signal and ground path
- Protects equipment from damage by DC static and ground loop voltage buildup
- Strictly comply with 12G-SDI broadcast signal transmission quality standards
- Works with all lower SDI standards including 6G, 3G, HD and SD SDI
- Small size and lightweight, easy to carry and easy to install

### Dimensions



12G-SDI Source  
VP-P = 779.7mV

After 12G-GI  
VP-P = 778mV



3G-SDI Source  
VP-P = 789.3mV

After 12G-GI  
VP-P = 787.3mV

### Technical Specifications

Impedance	Bandwidth	Insertion loss	Amplitude roll-off	Return loss
75 Ω	<0.5 MHz to >12 GHz	<0.02 dB	<0.02 dB @ 12 GHz	>25 dB
Breakdown voltage	Connectors	Mounting flange	Mounting hole	Weight
>100 V	BNC	26mm×31mm	φ3.2mm, 19mm×24mm	37g