

12G-GI

4K/UHD SDI Video Galvanic Isolator (NF)

12G-GI (NF) is a 4K/UHD SDI video galvanic 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.

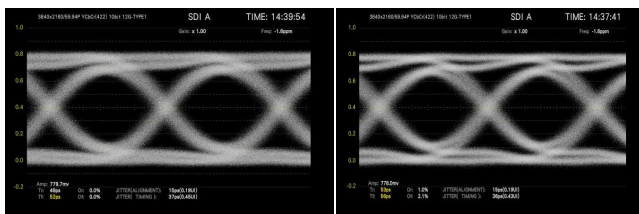
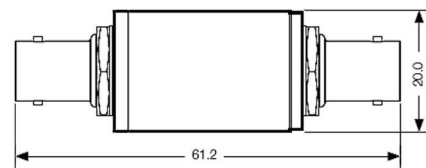
12G-GI (NF) can be used for a complete 12G/4K/8K UHD SDI video signal chain, and is compatible with all SDI formats including 6G, 3G, HD and SD. Its cylindrical insulating shell can effectively block DC voltage and environmental interference. Both ends of the isolator are equipped with standard size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



Features

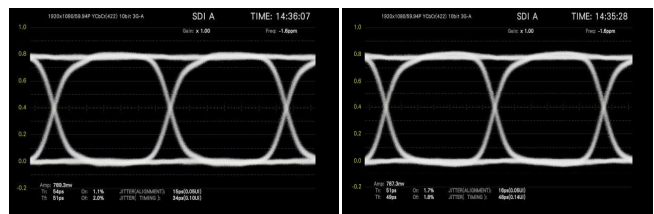
- Full DC galvanic isolation between equipment, both signal and ground path
- Protects equipment from damage by DC static and ground loop voltage buildup
- Strictly comply with 12G-SDI broadcast signal transmission quality standards
- Works with all lower SDI standards including 6G, 3G, HD and SD SDI
- 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 到 >12 GHz | <0.02 dB | <0.02 dB @ 12 GHz | >25 dB |
| Breakdown voltage | Connectors | | | |
| >100 V | BNC | | | |