

HD-SDI Surge Protector

HD-SD-SP



This is a Surge Protection device for HD SDI Cameras, video switches, segmentation and monitoring equipment.



Features

- According with the standards of GB18802.1, GB/T 18802.21
- Transmission Rate: 270M~1.485G
- Resisting Surge above 6KV
- Discharging Current can achieve 10KA
- Reaction Speed is 1 us
- Outstanding HD-SDI Video Output Signal Quality
- Less than 0.05UI Superposition Jitter
- Excellent Eye Pattern performance
- Transmission rate: 270M~1.485G
- Ta≤1us, Up≤10KV, Isn≤5KA

 **Please read the Manual before attempting to use this product.**

	CAUTION	
RISK OF ELECTRIC SHOCK DO NOT OPEN!		
<p>TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT OPEN COVERS (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		

 **Caution** ..

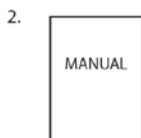
- 1. Handle this product with care:** Avoid any shock or bumping of the product. Improper handling could damage the product. Do not handle the unit with wet hands. Provide proper ventilation and air circulation and do not use near water.
- 2. Requires a proper operating environment:** This product is not waterproof and is designed for indoor use.

The allowable temperature range for operation of this product is between -0°C~50°C / 32°F~122°F.

- 3. Objects and liquid entry:** Never push objects of any kind into this product as this may touch dangerous voltage points of short out parts that could result in a fire or electric shock. Never spill any kind of liquid on the product.
- 4. Cleaning:** Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- 5. Servicing:** Do not attempt to service this product by yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all service to qualified servicing personnel.

Package Contents

1. One (1) HD-SDI Surge Protector
2. One (1) User Manual



For any returns, please include all components listed above with original packaging in **Resalable Condition**. **Absolutely No Returns** will be accepted if any component is missing/damaged

Specifications and appearance are subject to change without notice.

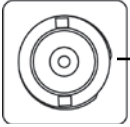
Copyright © 2014 AAS Technology

www.AAS.com.tw

SD-10
R201409-V19

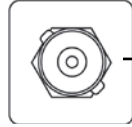
Parts & Functions

Left Side View:



DEVICE
(SDI IN)

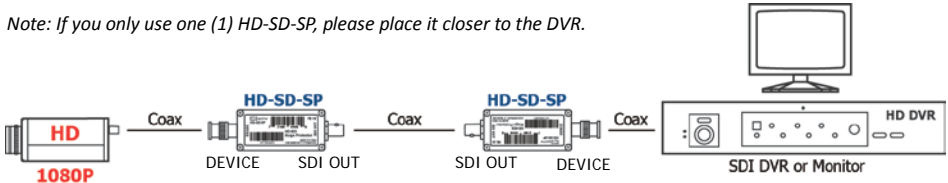
Right Side View:



SDI OUT

Application Diagram

Note: If you only use one (1) HD-SD-SP, please place it closer to the DVR.



Technical Specifications

Model	HD-SD-SP
Connectors	BNC
SDI Impedance	75 Ohms
Connector/Coax Return Loss	Return
Data Throughput	270Mbps, 1.485Gbps
Resisting Surge	< 6KV
Discharging Current	10KA
Reaction Speed	1uS
Operating Temperature	0°C ~ 50°C / 32°F ~ 122°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	Up to 85% RH (Non-condensation)
Dimension	3.74(L) x 1.04(W) x 0.79(H) inches / 95(L) x 26.5(W) x 20(H) mm

Limited Warranty

LIMITED ONE (1) YEAR WARRANTY AND EXCLUSIONS

Manufacturer warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Manufacturer is free of defects in materials and workmanship under normal and proper use for one (1) year from the purchase date. Manufacturer's only obligation is to correct such defects by repair or replacement, at its option, if within such one (1) year period the product is returned prepaid, with proof of purchase date, and a description of the problem. This warrant excludes and there is disclaimed liability for labor for removal of this product or reinstallation. **This warranty is voided if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other implied warranties of any kind, including merchantability and fitness or a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness of or a particular purpose, is limited to one (1) year. Manufacturer is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, loss sales or profits or delay or failure to perform this warranty obligation.** The remedies, provided therein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.