VIDEO PRODUCTS INCORPORATED

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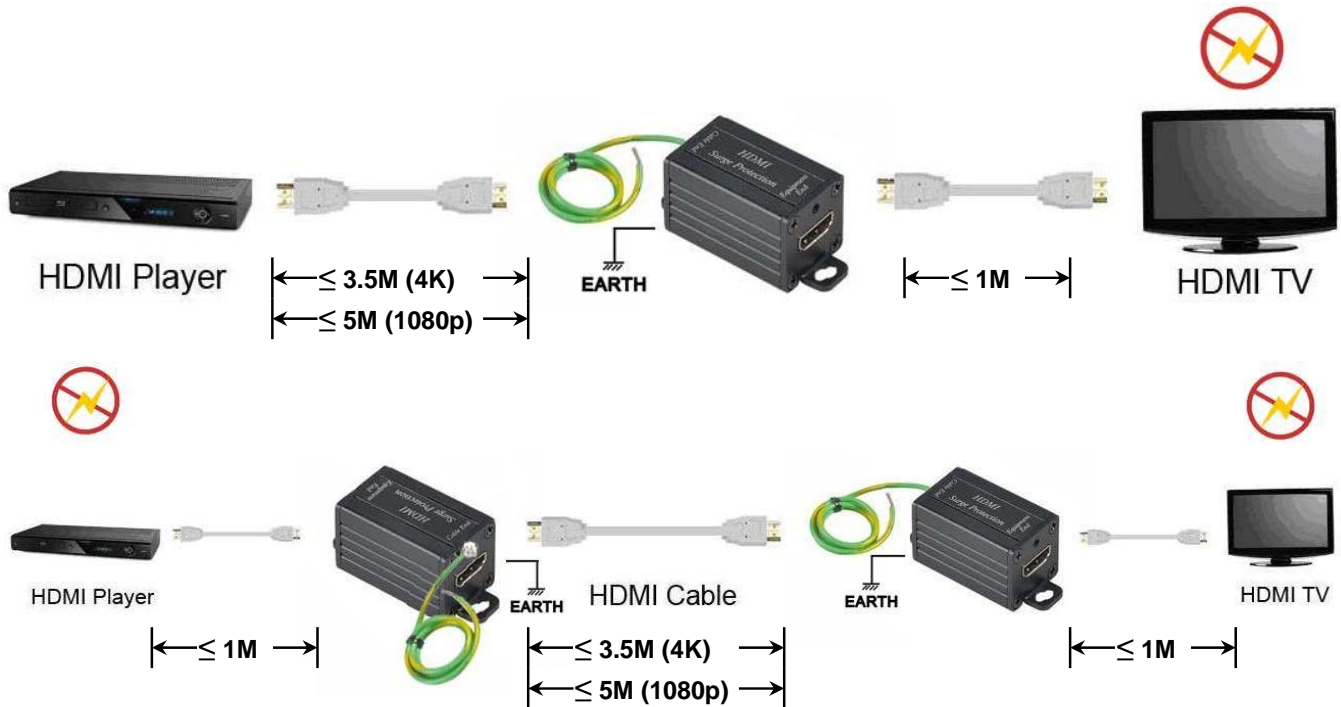# SP-HD
HDMI Surge Protector

Applications for protecting equipment from high voltage surges such as nearby lightning strikes. Provides UL grounding requirements for HDMI cable offering protection from hazardous voltages that may occur on the shielding.   Because of the physical length of ground wires, UL grounding systems may appear as an open circuit to lightning strikes and high frequency surges and provide no protection from these surges getting into a home and destroying your HDMI sources, HDMI monitors, and other HDMI equipment.

SP-HD HDMI Surge Protector
- Provides protection for HDMI equipment.
- Supports HDMI 1.4
- Compliant with IEC61000-4-2,IEC61000-4-4,IEC61000-4-5
- Built in ESD, EFT (impulse noise), and Lightning protection.
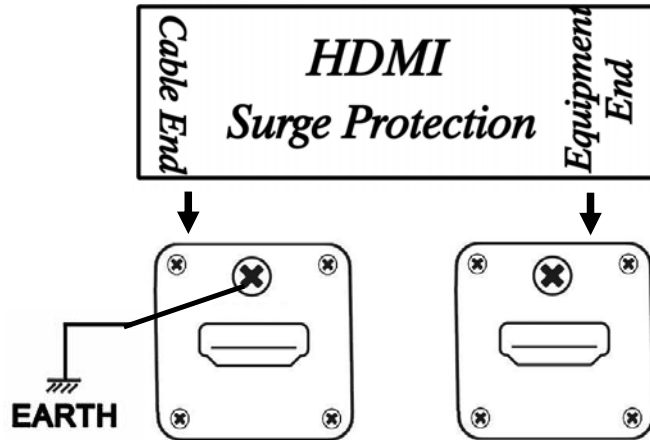- Reaction Speed：<1nS

Installation

1. If only using one SP-HD, connect the "Equipment End" to whichever device is going to be protected, the source, or the display.   The device connected to the "Cable end" will not be protected.
2. If using two units of SP-HD, connect both the source and the display at the "Equipment End" ports, and install an HDMI cable between the two "Cable End" ports.
3. Be sure to properly ground the earth ground terminal above the "Cable End" port(s).

Recommended Cables

1. We recommend using high quality HDMI 1.4 cable (VPI P/N: HD-x-MM   where x= 3/6/10 or 15 feet long).
2. In order to achieve the best protection and performance, the HDMI cable between the HDMI equipment and SP-HD surge protector should be less than 1 meter..

Panel View:

HDMI Cable Distance and Caution:

1. To ensure the unit will protect equipment, the "Cable End" must be connected to ground.
2. For applications requiring 4K2K resolution, the HDMI cable must be less than 3.5M.
3. For applications requiring 1080P resolution, the HDMI cable must be less than 5M.

Specifications

ITEM NO.	SP-HD
Input/output Interface	HDMI x 2
ESD Protection	15 KV(ESD) , 8 KV (Contact)
EFT Protection	40A (5/50ns)
Lightning Protection	5A (8/20 us)
Reaction Speed	< 1 nS
Environment	Operation: 0 to 55℃, Storage: -20 to 85℃, Humidity: up to 95%
Dimension (WxDxH)	55.8x25.4x25.4mm
Weight	38g
Certifications	CE, FCC, RoHS

Note: Two Surge Protectors must be used for complete nearby lightning strike protection.