

1. To connect the HD Source with the HDMI input port of the HDMI surge protector
2. To connect the HD Display with the HDMI output port of the HDMI surge protector.

HDMI version..... HDMI 1.4 with 3D 、 4Kx2K、 HEAC  
HDMI resolution .....24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i  
Support video color format .....24bit/deep color 30bit,36bit, 48bit  
Support audio format.....DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD HD(HBR)  
Max bandwidth.....340MHz  
Max baud rate.....10.2Gbps  
Input/Output TMDs signal .....0.5~1.5Volts p-p(TTL)  
Input/Output DDC signal ..... 5Volts p-p (TTL)  
Max working current.....50mA  
Operating Temperature range..... (-15 to +55℃)  
Operating Humidity range.....5 to 90%RH (No Condensation)  
Dimension (L x W x H) .....43. 5x64x16. 5 (mm)  
Weight.....40g

#### Notes:

Pls use the machine as the instruction listed to keep the long use lifetime of the machine.

1. The machine should be placed at the spot far from the Damp, High-Temperature, Dusty, Erosive, and oxidative environment.
2. All parts will be free from the strong shake, hit, fall.
3. Pls do not open the cover and do not touch the inside parts.

Before power on, pls check the connection line carefully. And make sure that all interfaces are normally connected. The common trouble shooting way shows below:

Serial NO	Trouble Description	Cause and Ways to deal with
1	No Picture	1、 Pls to make sure that the TV is on and has been connected with the machine. 2、 To check if the signal source is on and well connected. 3、 Check the system connection quality. 4、 Check if the line is all good quality. 5、 Check the cable quality
2	Obscure Picture	1、 To try again to connect the cable to be free from the unsuccessful connection. 2、 HDMI Cable Quality

## PROHDSP11

# USER MANUAL

## HDMI Surge Protector

(EDS, Lightning, Surge, EFT Protection)

Join the PROfessional's PROcession to PROception!

## INTRODUCTION

### Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Our series of HDMI Converters, switchers, extenders, matrixes and splitters are designed to make your A/V device use more convenient, more comfortable, more productive and more cost-efficient.

The HDMI surge protector is designed for protect the HDMI device against static discharge, lighting surge, electrical fast transient burst. It is active for all TMDS/DDC/HPD and CEC channels of connected HDMI signals defends ESD and Lighting Surge.

Our devices offer solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

### FEATURES

- Protect HDMI input and output for ESD and Lightning Surge
- Meet IEC 61000-4-2 (ESD)  $\pm 15\text{kV}$  (air),  $\pm 8\text{kV}$  (contact).
- Meet IEC 61000-4-4 (EFT) 40A (5/50ns).
- Meet IEC 61000-4-5 (Lightning) 5A (8/20 $\mu\text{s}$ ).
- Support HDMI 1.4 with 3D 4KX2K and HEAC.
- Solid-state silicon-avalanche technology.
- Support HDCP
- No loss of quality
- Installs in minutes
- No Need Power Adaptor

### The accessories with the machines lists as picture:

- |                            |       |
|----------------------------|-------|
| 1、One HDMI Surge Protector | 1PCS  |
| 2、one pc of Manual         | 1PCS  |
| 3、One Ground Wire          | 1PCS  |
| 4、Ground Screw             | 2 PCS |

### Physical Connection Showing Picture:



Figure 1.0 Front Panel Showing Picture

OUTPUT: HDMI output interface

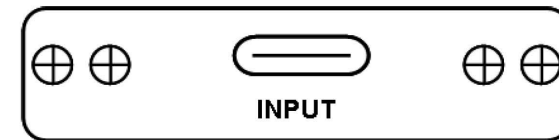


Figure 1.1 rear panel showing picture

INPUT: HDMI input interfac

### Operating and Connecting:

