



CS-HHP

Compact Inline Surge Protector



Operation Manual

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SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

REVISION HISTORY

VERSION NO.	DATE DD/MM/YY	SUMMARY OF CHANGE
RDV1	10/07/16	Preliminary Release



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1. INTRODUCTION

The voltage spikes may happen sometimes which is not under our expectation. This compact surge protector designs to protect connected source and sink devices for blocking or shorting to ground any unforeseen voltage spikes. This surge protector is compact design and come with general HDMI input and output interface which can fit most of electronic devices covers from displays to DVD players in the market.

2. APPLICATIONS

- Entertainment Room & Home Theater
- Show Room & Demo Room
- Lecture Room & Hall Presentation
- Public Commercial Display

3. PACKAGE CONTENTS

- 1 x Surge protector unit
- 1 x Operation Manual

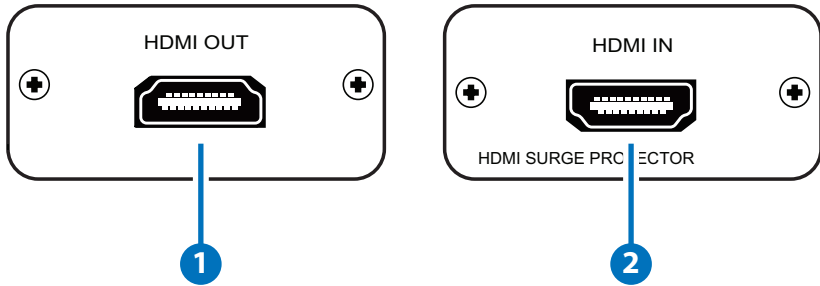
4. SYSTEM REQUIREMENTS

Input source equipment such as PS3/Blu-ray player and output UHD TV or display or connects between matrix/scaler and displays/projector

5. FEATURES

- HDCP 1.4 and 2.2 content pass through
- Compact design with HDMI input and output interface to fit most of electronic devices
- Maximum supported pass through resolution up to 3840x2160@24/25 and 30
- 3D contents pass through supported
- LPCM, Dolby and DTS audio formats pass through supported
- CEC pass through supported
- Easily installation only connects it between source and sink devices
- 5V overvoltage protection circuit design to prevent higher voltage damaged devices

6. OPERATION CONTROLS AND FUNCTIONS



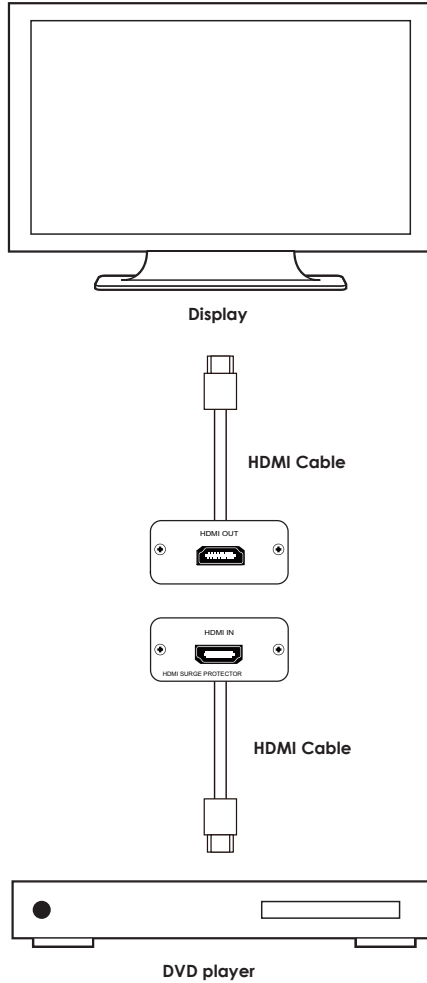
1 HDMI OUT

Connects with displays or projector.

2 HDMI IN

Connects the source equipment such as DVD player or matrix / scaler unit.

7. CONNECTION DIAGRAM





8. SPECIFICATIONS

Input Ports	1 x HDMI
Output Ports	1 x HDMI
Over voltage protection	5V
Supported Resolution	480 i to 4K2K YUV 4:2:0
Supported audio formats	LPCM, Dolby, DTS
Support audio sampling rate	32kHz ~ 192kHz
EDID	Bypass
Audio Return Channel	Bypass
3D content	Bypass
CEC	Bypass
Deep color	8 bit, 10 bit and 12 bit
HDMI transmission distance	5 meter for HDMI Input and output (3840 x 2160)
ESD	±15kV (Air) / ±8kV (Contact)
Chassis Material	Plastic
Chassis Color	Black
Weight	56g
Dimensions	482mm(W) x 354mm(D) x 96mm(H)

9. SUPPORT TIMING TABLE & HDMI CABLE LENGTH

9.1 Support Timing Table

HDMI IN & OUT RESOLUTION	SUPPORTED
480i	✓
576i	✓
480p	✓
576p	✓
640x480	
800x600	
1080i @50&60	✓
1080p@50&60	✓
1024x768	✓
1360x768	
1280x1024	✓
1600x1200	✓
1920x1200	✓
3840x2160p@24&25&30	✓
3840x2160p@60(YUV420)	✓
4096x2160p@24	✓
4096x2160p@50 & 60(YUV420)	✓

9.2 HDMI Cable Length

HDMI CABLE LENGTH (MAX)		
Resolution	Input	Output
3840x2160p	5m	5m



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