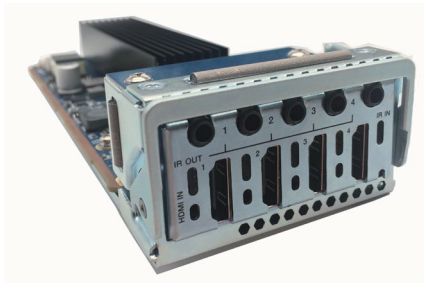




VLIP-SD10G-ECRD

10G SDVoE Quad HDMI input module for NETGEAR
M4300 series modular network switch



User Manual

VER 1.0

Thank you for purchasing this product

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

A surge protection device is recommended.

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shocks, lightning strikes, etc. The use of surge protection systems is highly recommended to protect and extend the life of your equipment.

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1. Introduction

This module uses NetGear 96 10G Ethernet switch to realize video matrix switching. Each card supports 4-channel HDMI input, 4-channel IR output, and 1-channel IR input. Supported video resolution is up to 4K2K @50/60hz YCbCr 4:4:4. The product supports 3D, HDR video, and CEC control. It provides distribution mode and switching mode.

2. Features

- ☆ HDCP 2.2 compliant
- ☆ Supports 18Gbps video bandwidth
- ☆ Video resolution is up to 4K2K @50/60hz YCbCr 4:4:4
- ☆ Supports 4-channel HDMI input, 4-channel IR output, and 1-channel IR input
- ☆ Supports 3D, HDR format video, and CEC control.
- ☆ Supports HDMI audio formats: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- ☆ Compact design for easy and flexible installation

3. Package Contents

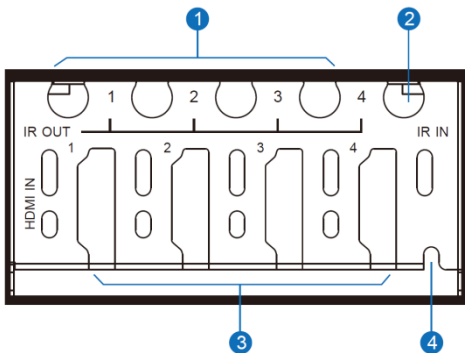
Qty	Item
1	Module
4	IR Blaster cable (1.5 meters)
1	IR Receiver cable (1.5 meters)
1	User Manual

4. Specifications

Technical	
HDCP Compliance	HDCP 2.2
Video Bandwidth	594MHz / 18Gbps
Video Resolution	4K2K 50/60Hz 4:4:4 4K2K 50/60Hz 4:2:2 4K2K 50/60Hz 4:2:0 4K2K 30Hz 4:4:4 1080p, 1080i, 720p, 720i, 480p, 480i All HDMI 3D TV formats All PC resolutions, including 1920 x 1200
Color Space	RGB, YCbCr4:4:4, YCbCr4:2:2, YCbCr 4:2:0
Color Depth	8-bit (4K 60Hz 4:4:4), 10-bit (4K 60Hz 4:4:4), 12-bit (4K 30Hz 4:4:4/4K 60Hz 4:2:0)
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
ESD Protection	Human body model—±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connection	
Input Ports	4×HDMI Type A (19-pin female) 1×IR IN [3.5mm Stereo Mini-jack]
Output Ports	4×IR OUT [3.5mm Stereo Mini-jack]
Mechanical	
Housing	Galvanization Enclosure
Silkscreen Color	Silver
Dimensions	210mm (W) × 67mm (D)× 37mm (H)
Weight	405g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 54V/600mA (US/EU standard, CE/FCC/UL certified)
Power Consumption	25W

Operation Temperature	0°C ~ 45°C / 32°F ~ 113°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

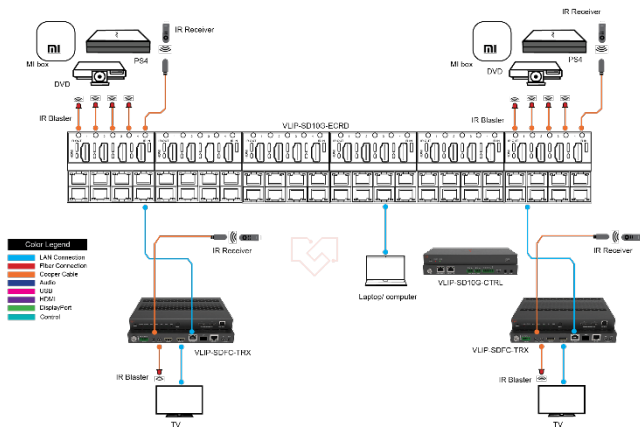
5. Operation Controls and Functions



No.	Name	Function Description
1	IR OUT 1~4	IR signal output for IR control of HDMI source.
2	IR IN	IR signal input for receiving the signal of the IRremote.
3	HDMI IN 1~4	HDMI source input.
4	Reset button	Press this button for 5 seconds while the device is powered on, and the system will restore the factory settings.

6. Application Example

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Note: This is just a connection demonstration. All the LAN ports in the diagram above can be connected with control devices or extenders randomly.

7. FAQ

Q: What other control methods does the product support?

A: This product can also be matched with HDV-CTL100 and controlled via Web UI. Please get in touch with our customer service for details.