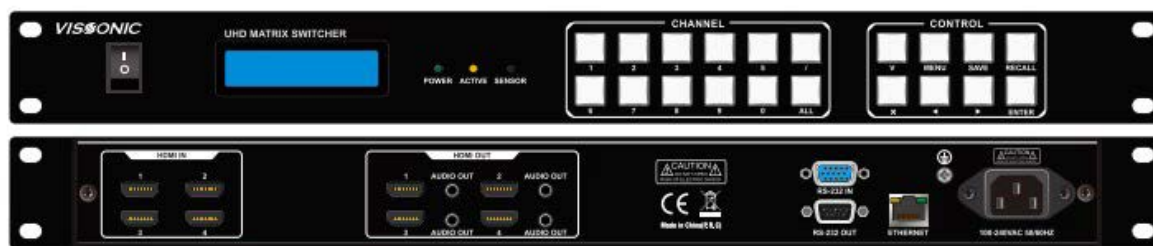# Signal Management

## PRODUCT DATASHEET



**VISSONIC ELECTRONICS LTD.**

**Think Solutions**

# VIS-PHD44/88/1616 UHD4Kx2K HDMI 4/8/16×4/8/16 Matrix



VIS-PHD44
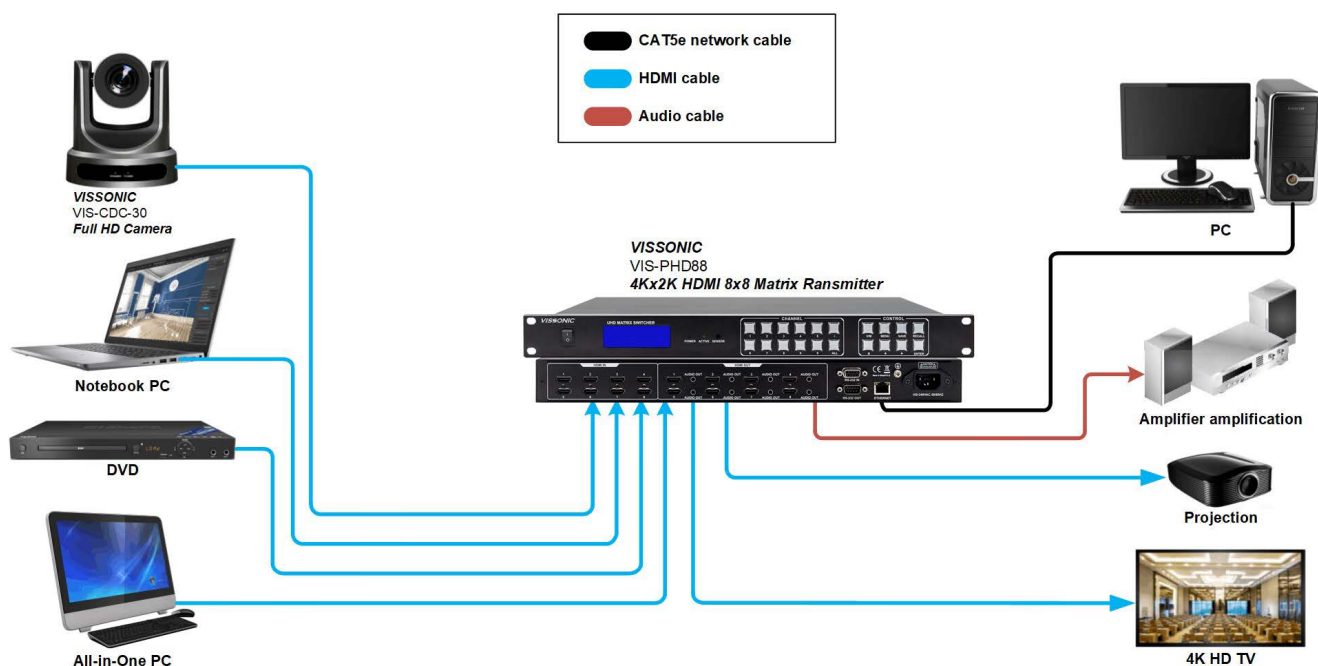


VIS-PHD88



VIS-PHD1616

## 1. Product Introduction

PHD series HDMI matrix is professional switcher routs UHD 4Kx2K HDMI signals to any outputs in need.

It provides high peak data transfer rate and perfectly supports synchronous switching of HDMI signals, the robust industrial design makes it able to be a signal management center for high definition signal transmission. It can be widely used in command control center, multi-screen systems, conference room, high definition medical or education teaching etc.

# 2. Features

1. 4 / 8 /16 HDMI inputs, 4 / 8 /16 HDMI outputs and 4 / 8 /16 analog audio outputs.
2. 4Kx2K@30H and 4Kx2K (YCbCr420)@60Hz., in addition to all mandatory HDMI 3D TV formats.
3. HDCP and DVI compliant.
4. Supports 10/100Mbps Ethernet network connection..
5. It can be serial port control.
6. No loss and no delay HDMI Crosspoint switch..
7. HDMI 1.4b protocol.
8. Multiple control methods including front key panel with LCD control, RS232 control and TCP/IP control with RJ45 ports, make control more flexible.
9. The signal of input can be transmitted up to 30 meters.
10. It can save and load 9 different scenes with mode saving function.
11. The signal can be converted by an adapter and compatible with DV1.0 standard.
12. Easy installation with rack-mounting design.

# 3. System diagram

# 4. Specification

| Model | VIS-PHD44 | VIS-PHD88 | VIS-PHD1616 |
|---|---|---|---|
| Input type | 4 HDMI | 8 HDMI | 16 HDMI |
| Output type | 4 HDMI, 4 analog audio | 8 HDMI, 8 analog audio | 16 HDMI, 16 analog audio |
| Video Protocol | HDMI 1.4b, HDCP 1.3, compliant to DVI1.0 | | |
| Maximum resolution | HDMI1.4b 4Kx2K@30H, HDMI2.0 YCbCr420 4Kx2K@60Hz | | |
| HDMI interface | Type A, 19 pin, female | | |
| Serial Interface | RS-232 IN, DB9, Female; RS-232 OUT, DB9, Male | | |
| Input cable length | Adaptive equalizer for cable lengths up to 30 meters | | |
| Output cable length | ≤ 15m | | |
| RJ45 control protocol | TCP/IP | | |
| Ethernet rate | Self-adaptive 10M/100M | | |
| Storage environment | Temperature: -20℃ ~ +70℃, humidity: 10%~90% | | |
| Work environment | Temperature: -20℃ ~ +70℃, humidity: 10%~90% | | |
| Power supply | AC 110~240V | | |
| Maximum power dissipation | 15W | 25W | 45W |
| Chassis Specifications | 1U | 1U | 2U |
| Dimensions (WxDxH) | 430x260x44.5 mm | 430x260x44.5 mm | 430x260x89 mm |
| Weight | 3.5Kg | 3.5Kg | 5.5Kg |
| MTBF | 30,000 hours | | |
| Warranty | One-year warranty and lifetime maintenance | | |

# About VISSONIC Electronics Limited

Our mission is to develop and manufacture the most comprehensive and innovative audio visual products for our clients. We provide the best performance/price ratio products because it could give you satisfaction just from the time you use them, we believe the good design with cutting edge technology on products will provide value to all our partners and end users. Listen to your demands, we fulfill it.

4/F, Building 6, No. 50 Nanxiang 1st Road, Huangpu District, Guangzhou, China

• Tel: +86-020-82515140 • E-mail: info@vissonic.com

@2022 VISSONIC Electronics Ltd. all rights reserved.