

VM8804

4-Port HDMI Output Board with Scaler



The VM8804 4-Port HDMI Output Board offers an easy way to route any of audio/video sources to any of 4 displays, in combination with an ATEN Modular Matrix Switch.

The VM8804 supports Seamless Switch™ technology that provides video switching in real-time, a built in scaler that handles different video resolutions, and EDID Expert technology for fast smooth switching between displays, giving you the perfect viewing experience. The VM8804 also supports HDMI audio can be extracted and stereo audio that can be embedded.



Features

- 4-port HDMI Output Board that is compatible with the [VM1600/VM3200](#) and can be mixed with modular I/O boards of any type for optimum flexibility
- Superior video quality – HDTV resolutions of 480p, 720p, 1080i and 1080p (1920 x 1080)
- HDMI (3D, Deep Color); HDCP 1.4 Compatible
- Seamless Switch™– provides continuous video streams, realtime switching and stable signal transmission*
- Built-in scaler on each output port to support the scaling function for different video Resolutions
- Consumer Electronics Control (CEC) support
- EDID Expert – selects optimum EDID settings for smooth power-up and the highest quality display
- Built-in EDID wizard – provides an easy way to customized EDID settings
- Hot-swappable design for easy integration of I/O boards
- Audio-enabled, HDMI audio can be extracted and stereo audio can be embedded

* Note: If Seamless Switch is enabled, the video output will not display 3D, Deep Color or interlace (i.e., 1080i) resolution features. To use of these features, you must disable Seamless Switch. Videos may not display within range when Seamless Switch™ or Video Wall is enabled, in which case please adjust the display settings on your device.

Specifications

| | |
|------------------------|---|
| Video Output | |
| Interfaces | 4 x HDMI Type A Female (Black) |
| Impedance | 100 Ω |
| Max. Distance | Up to 15m |
| Video | |
| Max. Data Rate | 6.75 Gpbs (2.25 Gpbs Per Lane) |
| Max. Pixel Clock | 225 MHz |
| Compliance | HDMI (3D, Deep Color) HDCP 1.4 Compatible Consumer Electronics Control (CEC) |
| Max. Resolution | Up to 1920 x 1200 |
| Audio | |
| Output | 4 x Captive Screw Connector, 5 pole * Audio signal type: stereo, balanced/unbalanced. |
| Power Consumption | 23.13W:108BTU/h Note: <ul style="list-style-type: none"> ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded. |
| Environmental | |
| Operating Temperature | 0 - 40°C |
| Storage Temperature | -20 - 60°C |
| Humidity | 0 - 80% RH, Non-Condensing |
| Physical Properties | |
| Housing | Metal |
| Weight | 0.58 kg (1.28 lb) |
| Dimensions (L x W x H) | 35.20 x 23.80 x 2.33 cm (13.86 x 9.37 x 0.92 in.) |
| Carton Lot | 2 pcs |
| Note | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format. |

Diagram



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