

- # 4x1 Simultaneous BYOM Transceiver with Dante

## SPECIFICATION

|                                      | Technical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| HDMI Compliance                      | HDMI 2.0b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HDCP Compliance                      | HDCP 2.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Video Compression Standard           | NeuroMesh (Based on H.264/H.265)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Video Bandwidth                      | 18Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Video Input Resolution               | 4096x2160p60Hz, 4096x2160p59.94Hz, 4096x2160p50Hz, 4096x2160p30Hz, 4096x2160p29.97Hz, 4096x2160p25Hz, 4096x2160p24Hz, 4096x2160p23.98Hz, 3840x2160p60Hz, 3840x2160p59.94Hz, 3840x2160p50Hz, 3840x2160p30Hz, 3840x2160p29.97Hz, 3840x2160p25Hz, 3840x2160p24Hz, 3840x2160p23.98Hz, 1920x1080p60Hz, 1920x1080p59.94Hz, 1920x1080p50Hz, 1920x1080p30Hz, 1920x1080p29.97Hz, 1920x1080p25Hz, 1920x1080p24Hz, 1920x1080p23.98Hz, 1280x720p60Hz, 1280x720p59.94Hz, 1280x720p50Hz, 720x576p50Hz, 720x480p59.94Hz, 1600x1200p60Hz, 1440x1050p60Hz, 1440x900p60Hz, 1366x768p60Hz, 1360x768p60Hz, 1280x1024p60Hz, 1024x768p60Hz, 800x600p60Hz, 640x480p60Hz |
| Video Output Resolution              | 4096x2160p60Hz, 4096x2160p50Hz, 4096x2160p30Hz, 4096x2160p25Hz, 4096x2160p24Hz, 3840x2160p60Hz, 3840x2160p50Hz, 3840x2160p30Hz, 3840x2160p25Hz, 3840x2160p24Hz, 1920x1080p60Hz, 1920x1080p50Hz, 1920x1080p30Hz, 1920x1080p25Hz, 1920x1080p24Hz, 1280x720p60Hz, 1280x720p50Hz, 1360x768p60Hz, 1680x1050p60Hz, 1920x1200p60Hz<br>*Video Wall Mode can support any resolution up to 4096x2160p60.                                                                                                                                                                                                                                                   |
| Color Space                          | RGB 4:4:4, YCbCr 4:4:4/4:2:2/4:2:0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Color Depth                          | 8/10/12bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Encoding Sampling Rate               | 48KHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HDMI Audio Formats                   | LPCM 2.0CH, 16bit, 48k                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Analog Audio Formats                 | Left and right stereo analog audio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Analog Input/Output Audio Parameters | Input/Output Impedance 10k ohms/330 ohms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                      | Audio Input/Output Level (Max) 2Vrms/2Vrms@unbalanced audio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                      | Frequency Response (+0.5dB, -1dB) 20Hz ~ 20kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                      | Audio S/N Ratio >90dB@HDMI 0dBFS, 1kHz A-weighted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                      | >90dB@2Vrms unbalanced audio, 1kHz A-weighted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Video Stream                         | Audio THD+N Audio in: <0.05%@6dBV, 1KHz; Audio out: <0.05%@6dBV, 1KHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                      | Encoder mode Main Stream: 4096x2160p60 (NeuroMesh codec)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                      | Sub Stream: 1920x1080p30 (NeuroMesh codec)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                      | KVM Preview: 352x288p30; RTSP Main: 1920x1080p30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                      | RTSP Sub: 1280x720p30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                      | Decoder mode Maximum decode streams: 1 x 4096x2160p60 + 8 x 1920x1080p30;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                      | 2 x 4096x2160p60; 1 x 4096x2160p60 + 18 x 1280x720p30;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                      | 16 x 1920x1080p30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                      | Connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Input                                | 2 x HDMI IN [Type A, 19-pin female], 2 x USB-C IN [Support USB-PD up to 100W]<br>2 x USB HOST [Type B, 4-pin female], 1 x AUDIO IN [3x2pin-3.5mm Phoenix connector Lower Layer]                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Output                               | 1 x HDMI OUT [Type A, 19-pin female], 1 x HDMI LOOP OUT [Type A, 19-pin female]<br>1 x AUDIO OUT [3x2pin-3.5mm Phoenix connector Upper Layer]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Network                              | 1 x LAN1 [RJ45, supporting PoE+], 1 x LAN2 [RJ45], 1 x SFP [1Gb Optical Fiber Module slot]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Control                              | 1 x RS-232 [3pin-3.5mm Phoenix connector], 4 x Source Selection Button, 1 x Manual/Auto Button                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                      | Mechanical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Color                                | Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Dimensions                           | 204mm [W] × 152mm [D] × 30mm [H]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Weight                               | TBA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                      | Electrical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Power Consumption                    | 25W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Power Supply                         | DIN 4pin: DC 24V/7.5A, DC priority, supporting seamless switching between DC and PoE+ power supply<br>PoE+ (IEEE802.3at), When the device is only powered by PoE+, the two USB-C ports do not support external charging; When powered by DC, both USB-C ports support external charging, with a maximum single-port charging capacity of PD 100W (20V/5A) and a maximum dual-port simultaneous charging capacity of PD 60W (20V/3A) + PD 60W (20V/3A).                                                                                                                                                                                           |
|                                      | Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Operating Temperature                | 0°C ~ 40°C / 32°F ~ 104°F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Storage Temperature                  | -20°C ~ 60°C / -4°F ~ 140°F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Operating Humidity                   | 20~80% RH (Non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage Humidity                     | 10~90% RH (Non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |