

Medical PC & Monitor for Digital OR

# ACCEL-VM100

HDMI/DP over IP Transceiver with USB Extension for Digital OR



## Features

- Can be configured to function as either a Transmitter or a Receiver
- IP switchable with minimum latency requires optional control center or control software
- Extension up to 30km (maximum distance depends on the SFP+ module and type of fiber used)
- Supports the use of an external control center or control software to provide expanded functionality

## Specifications

### Interfaces

|                     |                                                                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input Port          | 1 x HDMI (Type-A)<br>1 x DisplayPort                                                                                                                                |
| Output Port         | 1 x HDMI (Type-A)                                                                                                                                                   |
| Bi-directional Port | 1 x 10GbE LAN (SFP+)                                                                                                                                                |
| Pass-through Port   | 1 x Unbalanced Stereo (3.5mm)<br>1 x IR Extender (3.5mm)<br>1 x IR Blaster (3.5mm)<br>1 x RS-232 (3-pin Terminal Block)<br>1 x Ethernet (RJ-45)<br>3 x USB (Type-A) |
| Service Port        | 1 x USB (Mini-B)                                                                                                                                                    |

### Video

|                    |                                                |
|--------------------|------------------------------------------------|
| HDMI Compliance    | HDMI 2.0 (DVI 1.0)                             |
| HDCP Compliance    | 2.2                                            |
| Input Signal Types | HDMI 2.0 / 4K@60, HDR10 / DisplayPort 1.4 HBR2 |

### Resolutions

|                |                                                                                                                                     |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Input  | HDMI - 4096×2160p@60, 2560×1600p@60RB<br>DisplayPort - 4096×2160p@60, 2560×1600p@60RB<br>Streaming - 4096×2160p@60, 2560×1600p@60RB |
| Maximum Output | HDMI - 4096×2160p@60, 2560×1600p@60RB<br>Streaming - 4096×2160p@60, 2560×1600p@60RB                                                 |

### Audio

|                 |                                                                                                                                                              |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Digital Formats | HDMI - 8CH LPCM, Bitstream, HD Bitstream<br>DisplayPort- 8CH LPCM, Bitstream, HD Bitstream                                                                   |
| Analog Formats  | Unbalanced 2 Channel                                                                                                                                         |
| Line Level      | Frequency Response: < ±0.5dB (20Hz to 20kHz)<br>THD: < 0.02% (20Hz to 20kHz)<br>S/N Ratio: > 80dB (1kHz with 0dBFS)<br>Crosstalk: < -80dB (10kHz, Vin=0dBFS) |

### Power

|                   |                                                |
|-------------------|------------------------------------------------|
| Power Supply      | 12V/3A (Locking)                               |
| Power Consumption | HDMI 2.0 / 4K@60, HDR10 / DisplayPort 1.4 HBR2 |

### Enclosure

|                  |                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------|
| Chassis Material | Metal (Steel)                                                                                   |
| Chassis Color    | White                                                                                           |
| Certification    | CE: EN 60601-1-2:2015(V4.0),<br>EN 60601-1:2006/A1:2013/A12:2014 (V3.1)<br>FCC: Part 18 Class A |

## Order information

- » ACCEL-VM100-N1-A1-0001  
4K UHD+ HDMI/DP/USB over Fiber Transmitter/Receiver  
(10Gbit/s SFP+)