

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) 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) 1 x IR Extender (3.5mm) 1 x IR Blaster (3.5mm) 1 x RS-232 (3-pin Terminal Block) 1 x Ethernet (RJ-45) 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
	DisplayPort - 4096×2160p@60, 2560×1600p@60RB
	Streaming - 4096×2160p@60, 2560×1600p@60RB
Maximum Output	HDMI - 4096×2160p@60, 2560×1600p@60RB
	Streaming - 4096×2160p@60, 2560×1600p@60RB

### AUDIO

Digital Formats	HDMI - 8CH LPCM, Bitstream, HD Bitstream DisplayPort- 8CH LPCM, Bitstream, HD Bitstream
Analog Formats	Unbalanced 2 Channel
Line Level	Frequency Response: <math>\pm 0.5\text{dB}</math> (20Hz to 20kHz) THD: <math>< 0.02\%</math> (20Hz to 20kHz) S/N Ratio: > 80dB (1kHz with 0dBFS) Crosstalk: <math>< -80\text{dB}</math> (10kHz, $V_{in}=0\text{dBFS}</math>)$

### 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), EN 60601-1:2006/A1:2013/A12:2014 (V3.1) FCC: Part 18 Class A

## Order information

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