

## Digital OR Room Solution

# ACCEL-VM100

HDMI/DP over IP Transceiver with USB Extension



## 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
- Ultra-light compression, lossless for most content
- 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 -	4096x2160p@60, 2560x1600p@60RB
	DisplayPort -	4096x2160p@60, 2560x1600p@60RB
	Streaming -	4096x2160p@60, 2560x1600p@60RB
Maximum Output	HDMI -	4096x2160p@60, 2560x1600p@60RB
	Streaming -	4096x2160p@60, 2560x1600p@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

## Ordering information

» ACCEL-VM100-N1-A1-0001

4K UHD+ HDMI/DP/USB over Fiber Transmitter/  
Receiver(10Gbit/s SFP+)

## Onyx Digital OR Solution Diagram

