TYPE: Sepitam-1HD2U1A1bD-10GSFP-TR

Technical Specification of Sepitam-1HD2U1A1bD-10GSFP-TR

1*4K HDMI IN/OUT + LOOP + 2*USB1.1 on receiver side
10G SFP Interface+ 1*In/Out Audio

Description:

The **Sepitam-1HD2U1A1bD-10GSFP-TR**optical converter is composed of transmitter and receiver. The audio, video and data output from the computer host (HD video signal source, HD DVD/DVR and other equipment) are extended to the remote user through 1 core optical fiber. Listen to the image and sound of the computer host in real time on the remote end and control the host at the transmitter.

Feature

♦ HDMI video supports loop-out function, the highest support resolution is 4096*2160*30Hz and backward compatible

♦ Support single fiber transmission

♦ Support international standard HDCP 1.4

♦ EDID transparent transmission mode

♦ Support RGB4:4:4 YUV4:4:4 4:2:2 4:2:0

♦ Support DDC CEC HPD signal

♦ Support 4K HDMI video with loop out

♦ Support KVM function (keyboard and mouse);

♦ Supports 1 bidirectional independent 3.5 stereo audio, and supports audio embedding and audio de-embedding functions in the forward direction

♦ Support one-way bidirectional full-duplex RS232 (half-duplex RS485 optional)

♦ Single-mode and multi-mode compatible, multi-mode transmission distance is 1KM, single-mode transmission distance is 20KM

♦ Delay <2 milliseconds

♦ Support hot plug signal, plug and play, no need to set

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Applications:

LCD splicing large screen, LED splicing screen, project projection fusion project, video conference system;

Monitor testing and burn-in;

Public Video System (Certification Companies, Futures Markets, Financial Documents, etc);

High quality multimedia video conference display (Video Conference), briefing...

Municipal command building center, substation control room, steel plant control room, cement plant control room, mine control room, coal mine, cement plant, thermal power station, fine chemical control room, digital machine room management.

Specifications

Fiber	
wavelength	1310-1550nm
rate	10Gbps
transmit power	＞-5db
Transmit sensitivity	＞-14db
Optic port	LC
Video	
Video bandwidth	10GHz Gbps
Resolution	4096*2160*30Hz backward compatible
Highest pixel clock	297MHZ
Effective line length	10M
Physical interface	HDMI female
KVM(USB)	
Version	1.1
Transmitter physical interface	USB female B type
Receiver physical interface	USB female A type
3.5 Audio indicators	
Sampling frequency	48K
Sampling depth	24bit
Dynamic bandwidth	96db
Total harmonic distortion (THD)	-88db
Signal-to-noise ratio (SNR)	96db
Audio input/output impedance	600Ω
Signal level	VPP 3.5V
Physical interface	3.5mm stereo audio jack
signal type	Stereo channel

RS232	
Level type	RS232
Baud rate	256000Hz is backward compatible
Data bit	8-bit
Physical interface	Phoenix terminal
Other indicators	
Operating temperature	-20°C ~75°C
storage temperature	-40°C ~85°C
Power supply	12V1A
Power consumption	＜1.5W
Size	167*110*28mm

Indicator status description:

Ports description	
SFP+	10G optic module
123	RS232 serial port
HDMI IN	Video input interface
HDMI OUT	Video output interface
HDMI LOOP	Video loop out interface
DV12V	Power in interface
Led lights	
FIBER	On：Connected OFF：not connected
DATA	Flash：have Data signal OFF：no data signal
VIDEO	ON：Have video signal OFF：no video signal
POWER	ON：Device power on OFF：Device power off

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