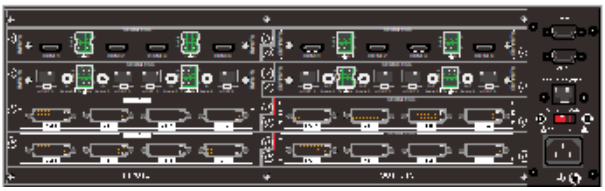
iSEMC

Profession Video Matrix Switcher

MT Series



INTRODUCTION

MT Series is a high-performance professional audio and video signal switching equipment, compatible with different signal types input/output signal cards, used for cross-switching of multiple signal input and output, and provides independent audio and video signal input and output terminals.

This series of products are mainly used in radio and television projects, multimedia conference halls, large-screen display projects, television teaching, command and control centers and other occasions.

MT Series

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FEATURES

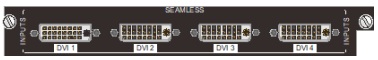
- The modular matrix host that can be equipped with input/output signal cards, which can support up to 160x160 audio and video signal switching card interfaces, and support hot swap;
- Using FPGA architecture, internal self-built core computing mechanism, no embedded operating system;
- Bus exchange technology, each signal adopts a separate channel for transmission to ensure the real-time display of all signal images; Multiplying and multiplying line technology, to perform multiplying line zooming and multiplying enhanced display of image signal; Each board card contains 4 signal interfaces, supporting CVBS, YPbPr, VGA, DVI, HDMI, 3G/HD/SD-SDI and other signals seamlessly any input and output switching transmission, compatible with HDCP (HDCP output can be turned on and off manually); Support EDID management and manual EDID learning functions;
- The host adopts the HDMI 1.4a standard and can realize 4K signal input and output by changing the board;
- Support the current output channel status query function;
- Support no less than 20 scenes save and recall function, support group cutting function;
- With anti-static design, it can effectively prevent electric shocks caused by personnel touching and discharging;
- The control method needs to support various control methods such as front panel buttons, external control panel, remote control, RS-232 serial communication, LAN network control, etc., support local and remote (central control & software) control methods, and can Lock the front panel as needed to prevent misoperation;
- The matrix host and signal board must be able to work continuously at full load without failure for a long time, and the continuous operation time shall not be less than 7*24 hours of continuous power operation;
- The parameters and function settings will not be lost after power off;
- Products can provide 3C certification, and manufacturers can provide ISO 9001:2008 management system certification;

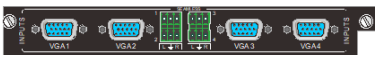
INPUT CARD


4K HDMI


HDMI


CVBS


DVI


VGA


SDI


4K HDBT


HDBT


HDMI&VGA


HDMI&SDI

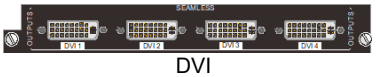

OPTICAL

OUTPUT CARD

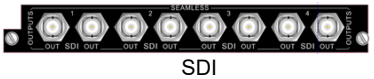

4K HDMI


HDMI

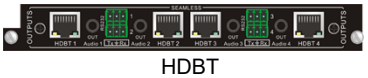

CVBS


DVI


VGA


SDI


4K HDBT


HDBT


HDMI&VGA


HDMI&SDI


OPTICAL

PREVIEW CARD

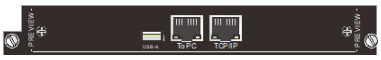

Preview

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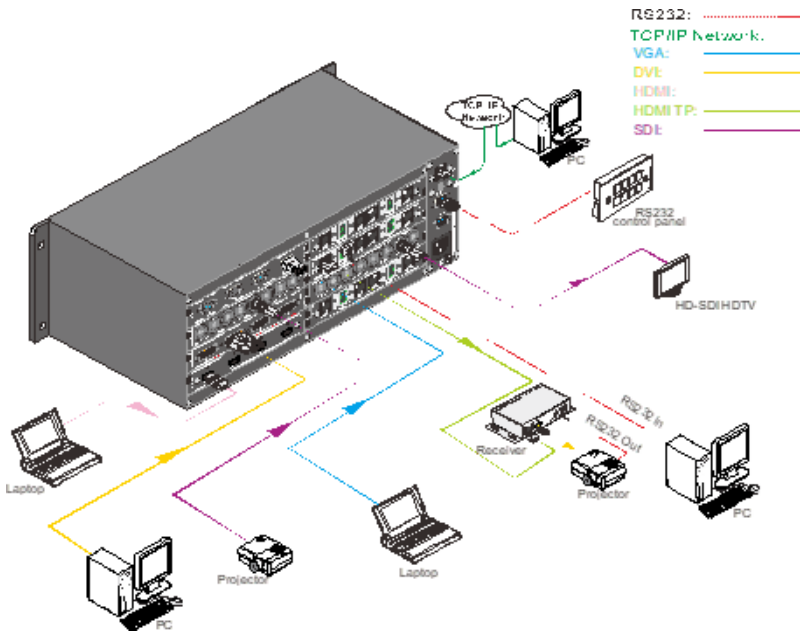
DIAGRAM



SPECIFICATIONS

Product Hardwarear Information	System Structure	Pure Hardware Architecture
	Start Up	<8s
	Operating System	No CPU And Operating System
Input/Output Signal	Input Interface	4K HDMI,4K HDBT,HDMI,HDBT,OPTICAL,DVI,
		SDI,CVBS,VGA
	Input Resolution	Up To 4096 x 2160@60Hz
	Output Interface	4K HDMI,4K HDBT,HDMI,HDBT,OPTICAL,DVI,
Image Processing		SDI,CVBS,VGA
	Output Resolution	Up To 4096 x 1080@60Hz
	Color	24bit, 16.77 Million Colors
Control	Control Method	Chassis Button, Infrared Remote Control,
		Serial Port/Network Command
Stability	Safety	Hardware Structure, No Virus Interference
	Continuity	365 Days, 77 x 24 Hours Operation
Electrical Parameters	Voltage	100~240V AC,50/60Hz
	Power	<313w
Working Environment	Operating Temperature	-15~60℃
	Storage Temperature	-30~75℃
	Operating Humidity	10 to 90% Without Condensation
	Storage Humidity	5~95% Without Condensation