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FOT2000

Sending Controller

Specification V4.0



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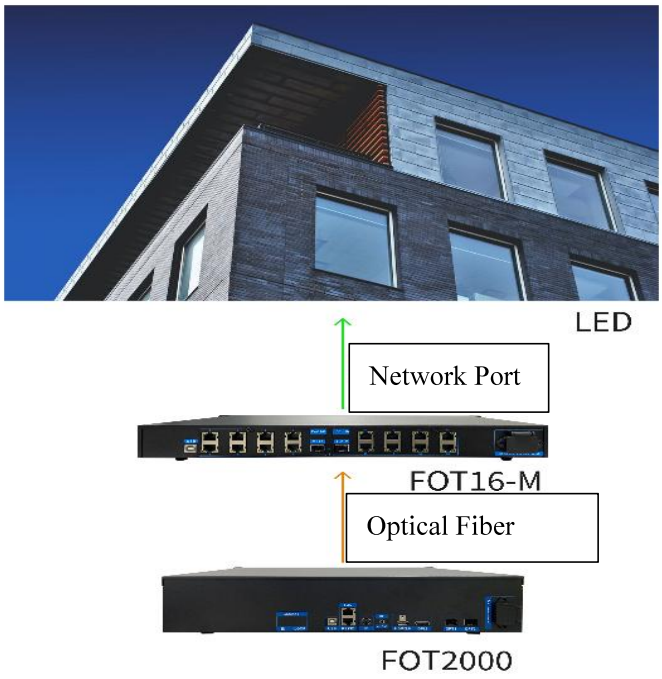
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1 Update Records

Document Version	Hardware Version	Release Time	Update Record
V4.0	ST2000（V2 .0.0）	July 21(th), 2025	First release

2 Product Introduction

The FOT2000 features versatile video signal reception capabilities, ultra-high-definition full 4K×2K@60Hz image processing and transmission capabilities; it can transmit processed video to LED displays via fiber optic ports; and boasts powerful processing capabilities that effectively enhance load utilization. It is a device with formidable processing power, ultra-stable performance, and exceptional cost-effectiveness.



3 Product Characteristics

3.1 Improve the display effect

- Multiple input interfaces
  - 1×HDMI2.0
  - 1×DP1.2
  - Choose one of two options
- Output interface
  - 2 fiber optic interfaces
  - Single fiber port bandwidth: 10Gbit/s
- Audio interface

  Support audio input，Synchronize via network cable
- Control interface
  - 1×USB interface communication, which can be controlled by cascading multiple sending cards on the same PC.
  - 1×LAN, 100M network interface connected to the host computer for debugging.
  - 1×RS232 serial port for connecting to central control equipment

3.2. Diversified Practical Functions

- Supports Ethernet loopback backup and dual-master controller backup
- Compatible with multiple input frame rates including 30Hz, 50Hz, 60Hz, and 120Hz
- Supports ST_EXT expansion board for cascaded brightness control and automatic brightness adjustment
- Supports host software monitoring of transmitter card operating parameters and status
- Supports configuration parameter readback
- Supports Gigabit Ethernet error rate detection
- • Supports 3D display, active 3D display

4 Product Appearance

Front Panel

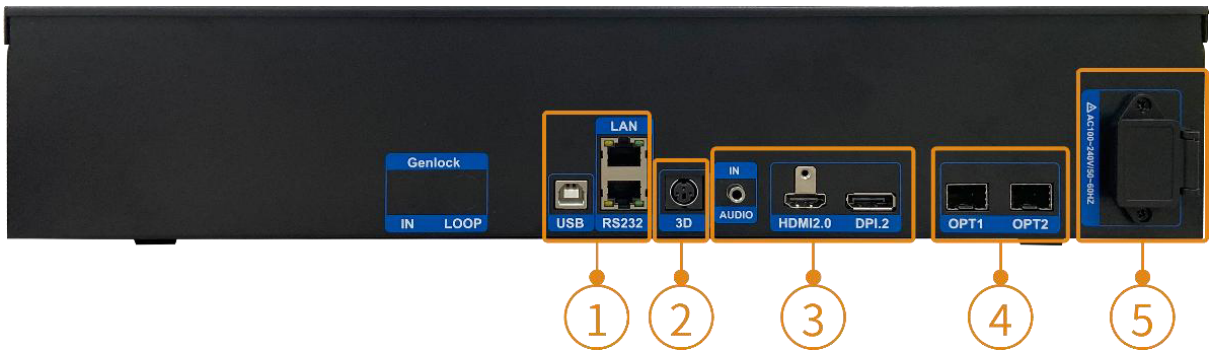


* Product photos are for reference only, please refer to the products actually purchased.

4.1 Description of Data Interface

#	Keys	Illustrations
1	ON/OFF	Power ON/OFF
2	LCD Display	To display the current status of the device and to have the menu settings. LCD Resolution：320×240
3	Knob	Select menus, adjust parameters, and confirm operations
4	Esc	Return(ESC)/Cancel the current menu or operation.

Rear Panel

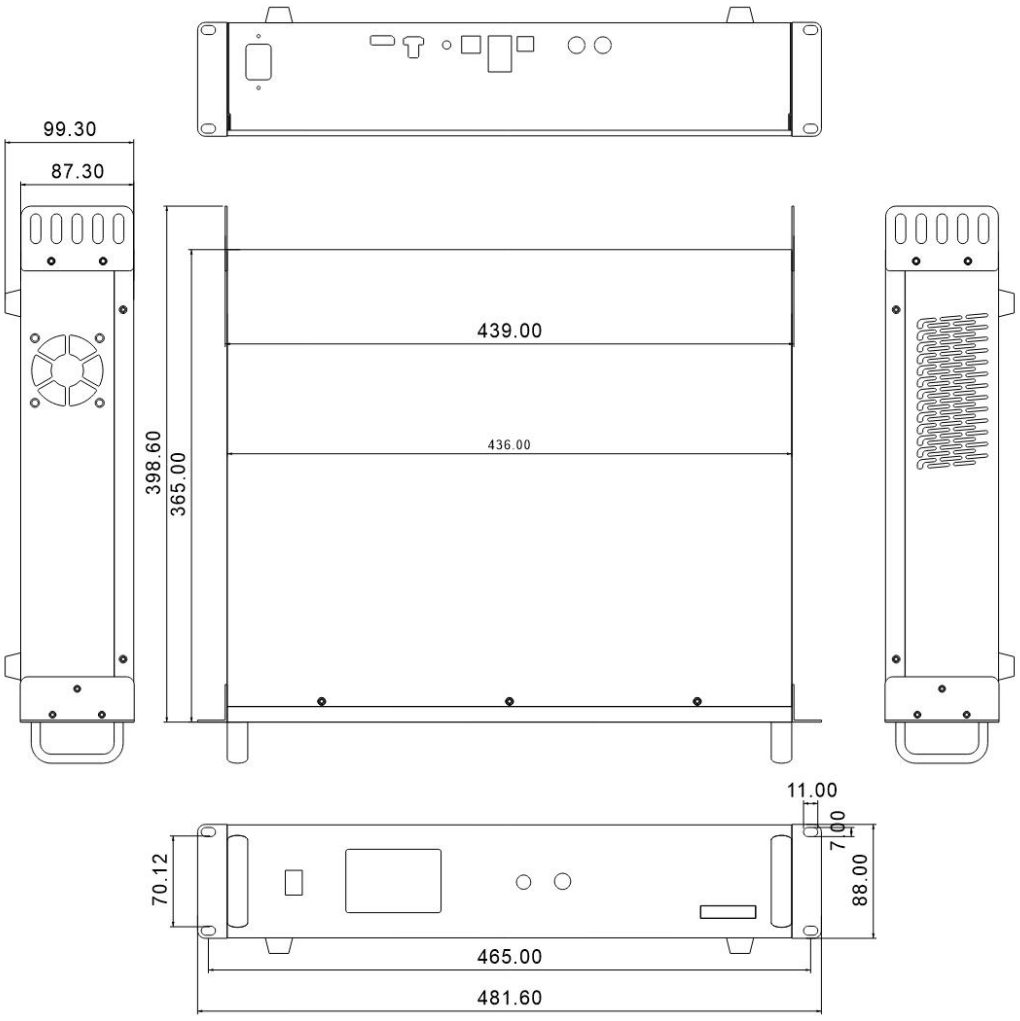


* Product photos are for reference only, please refer to the products actually purchased.

Rear Panel Description		
Input Interface		
#	Name	Illustration
3	HDMI2.0	1×HDMI 2.0, supports up to 3840×2160@60Hz with backward compatibility. Maximum customizable GPU width: 8192 Maximum customizable GPU height: 7680
	AUDIO	1×3.5mm audio input interface
	DP1.2	1×DP1.2, video signal input interface. Maximum resolution 3840×2160@60Hz, backward compatible. Graphics card customizable maximum width 8192 Graphics card customizable maximum height 7680

Output Interface		
#	Name	Illustration
4	Fiber Optic Port	◆ 2-channel fiber optic output ◆ Single fiber optic interface bandwidth: 10Gbit/s
Control Interface		
#	Name	Illustration
1	LAN	100Mbps Ethernet interface for connecting to host computer for debugging
	RS232	1×RS232 interface for connecting to central control equipment
	USB（B-Type）	Connects to PC software for communication
Extended Interface		
#	Name	Illustration
2	3D	3D Transceiver Communication Interface
Power supply interface		
#	Name	Illustration
5	Ac power Interface	AC-100-240V-50/60HZ AC power interface

4.2Product Dimensions



Tolerance：±0.3　　Unit：mm

5 Product Parameters

5.1 Specification

Electrical Parameters	Input voltage	AC-100-240V-50/60HZ
	Rated power	70W
Working Environment	Operating temperature	-20℃~60℃
	working humidity	10%RH~90%RH non-condensing
Storage Environment	Temperature	-20℃~70℃
Chassis size	481.6mm×398.6×99.3mm	
Net weight	4.2Kg	
Outer box size	565×445×185mm	
Gross weight	6.04 Kg Description: Including accessories and packaging materials	
Accessory	1×Power Cord、1×USB、1×DP、1×HDMI、1×Certificate 2×hangers,4*M3 Screw	
Packing method	1 PCS/Carton	

*Current and power consumption may vary depending on factors such as product usage, environment, and settings.

6 Precautions

- High voltage hazard: This product operates at AC 100V~240V.
- Do not allow liquids or metal fragments and other conductive materials to enter the device, to prevent safety accidents.
- Please use the device in a dry and clean environment.

National after-sales services hotline: 400-881-3531

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