

MSD600 Sending Card



Specifications

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Change History

V2.2.1 2019-10-31 None	ITH CO. ITH CO	V2.2.1	2019-10-31	None
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The MSD600 is a sending card developed by NovaStar. It supports video and audio inputs, and sends them to the display after decoding and data processing. The loading capacity of an MSD600 can be up to 1920×1200@60Hz. It communicates with the computer through USB port, which is very convenient.

The MSD600 can be mainly used in fixed and rental applications, such as live events, monitoring centers and various sports centers.

2 Features

2.1 Features

- 1 × DVI input
- 1 × HDMI 1.3 input
- 1 × audio input
- 1 × light sensor connector
- Resolutions up to 1920×1200@60Hz
- 4 x RJ45 Gigabit Ethernet outputs, capacity of each up to 650,000 pixels
- 1 × type-B USB control port
- UART IN and UART OUT control ports for device cascading
- Support for the new generation of NovaStar calibration technology, which is fast and efficient
- Support for a variety of input video formats, as shown in Table 2-1

Note:

Only one input source can be selected at the same time and it defaults to HDMI.

2.2 Video Formats

Table 2-1 Video formats

Input Connector	Bit Depth	Sampling Format	Maximum Input Resolution
HDMI 1.3	8bit	RGB 4:4:4	1920×1200@60Hz
	10bit/12bit		1440×900@60Hz
DVI	8bit		1920×1200@60Hz
	10bit/12bit		1440×900@60Hz





All product pictures shown in this document are for illustration purpose only. Actual product may vary.

Indicator	
Green	 Device operating indicator. Working status: Flashing slowly: No video input is available. Flashing normally: Video input is available. Flashing rapidly: The screen is displaying startup image. Breathing: Ethernet port redundancy has taken effect.
Red	Device power indicator. Working status:On: The power supply is normal.Off: The power is not supplied, or the power supply is abnormal.
Input	
DVI IN	Single link DVI connectorResolutions up to 1920×1200@60Hz

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control port to connect to PC
port to cascade devices
ut port to cascade devices
20 sending cards can be cascaded.
ower connector



5 Specifications

Electrical Parameters	Input voltage	DC 3.3 V–5.5 V
	Rated current	0.75 A
	Rated power consumption	3.5 W
Operating	Temperature	–20°C to +75°C
Environment	Humidity	0% RH to 90% RH, non-condensing
Physical Specifications	Dimensions	137.9 mm × 99.7 mm × 39.0 mm
	Net weight	135.0 g
Packing Information	Carrying case	335 mm × 190 mm × 62 mm, craft paper box
	Accessory box	400 mm × 365 mm × 355 mm, craft paper box Accessories: 1 × power cord 1 × USB cable 1 × DVI cable
Certifications	EMC, RoHS, PFoS, FCC	

6 FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference at his own expense.