

EMT200

3D Emitter



Specifications

Change History

Document Version	Release Date	Description
V1.2.0	2023-03-31	Updated the appearance diagram.
V1.1.3	2021-10-26	- Added the certification related description. - Added the “Statements” chapter. - Updated the temperature range of the operating environment.
V1.1.2	2021-02-06	Added the certification information.
V1.1.1	2020-11-20	- Updated the document template. - Optimized the product introduction. - Optimized the feature description. - Optimized the appearance description. - Optimized the indicator description. - Optimized the dimensions diagram.
V1.1.0	2019-06-10	None
V1.0.0	2019-04-20	First release

Introduction

The EMT200 is a 3D synchronous signal emitter designed by NovaStar for LED displays. It can bring you a fascinating and immersive 3D viewing experience by working with the shutter 3D glasses and sending cards that support 3D function.

With high stability and reliability, the EMT200 can be used in the fixed installation and rental applications, such as cinemas, exhibition halls and educational institutions.

Certifications

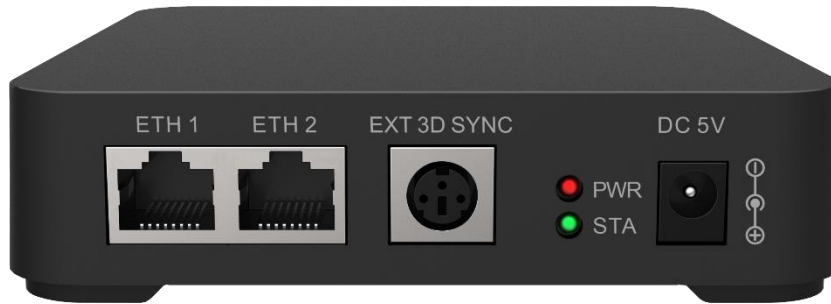
CE, RoHS, FCC ID

If the product does not have the relevant certifications required by the countries or regions where it is to be sold, please contact NovaStar to confirm or address the problem. Otherwise, the customer shall be responsible for the legal risks caused or NovaStar has the right to claim compensation.

Features

- 2x Gigabit Ethernet ports to connect the EMT200 after any receiving card or between a sending card and a receiving card
- 1x VESA connector to connect a third-party external 3D emitter

Appearance

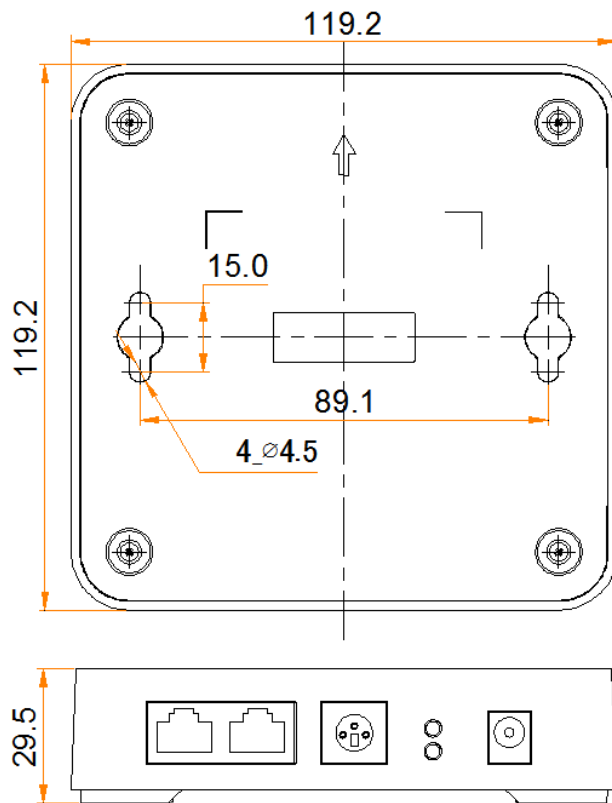


Name	Description
ETH1	Gigabit Ethernet port for signal input or output
ETH2	Gigabit Ethernet port for signal input or output
EXT 3D SYNC	VESA standard connector to connect a third-party external 3D emitter
DC 5V	Connect to the supplied power adapter.

Indicators

Indicator	Color	Status	Description
PWR	Red	Always on	The power supply is normal.
STA	Green	Flashing once every 1s	The EMT200 is functioning normally.
		Flashing once every 3s	The EMT200 has no signal input.
		Always on	A third-party external 3D emitter is connected.

Dimensions



Tolerance: ± 0.3 Unit: mm

Specifications

Electrical Specifications	Input voltage	DC 5 V
	Rated current	0.2 A
	Rated power consumption	1 W
Operating Environment	Temperature	-20°C to +40°C
	Humidity	10% RH to 90% RH, non-condensing
Physical Specifications	Dimensions	119.2 mm × 119.2 mm × 29.5 mm
	Net weight	170.3 g
Packing Information	Carrying case	380.0 mm × 200.0 mm × 100.0 mm
	Packing box	390.0 mm × 210.0 mm × 110.0 mm
	Accessories	• 1x RJ45 Ethernet cable (1.5 m) • 1x Power adapter • 5x Pairs of MX50 3D glasses (from Shenzhen Meridian Technology Co. Ltd.)

Statements

The transmission power of the EMT200 is less than 10 mW and it belongs to a Class F micropower device.

1. It complies with the specific terms and use scenarios of the "Micropower Short-Range Radio Transmitting Equipment Catalog and Technical Requirements" and the antenna type is PCB onboard antenna.
2. Do not change the use scenarios or conditions, expand the transmission frequency range, increase the transmission power (including additional installation of radio frequency power amplifiers), or change the transmission antenna without authorization.
3. It shall not cause harmful interference to other legal radio stations and shall not propose protection from harmful interference.
4. It should withstand the interference of industrial, scientific and medical (ISM) application equipment that radiates radio frequency energy or other legal radio station interference.
5. If it causes harmful interference to other legal radio stations, stop using it immediately and take measures to eliminate interference before continuing to use it.
6. The use of micropower equipment in aircraft and in the electromagnetic environmental protection areas of airports and military and civilian radio stations that are set up in accordance with laws and regulations, relevant national regulations, and standards, such as radio astronomy stations, meteorological radar stations and satellite earth stations (including measurement and control, ranging, receiving, and navigation stations), shall comply with the regulations of electromagnetic environmental protection and relevant industry authorities.
7. It is forbidden to use various types of remote controllers in the area with the center point of the airport runway as the center and a radius of 5,000 meters.

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 B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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Statement

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