Skyco
MEDIA TECHNOLOGIES
CAPTIVATING VISUAL BRILLIANCE

MSD300
Sending Card

NOVASTAR

Introduction

The MSD300 is a sending card developed by NovaStar. It supports 1x DVI input, 1x audio input, and 2x Ethernet outputs. A single MSD300 supports input resolutions up to 1920×1200@60Hz.

The MSD300 communicates with PC via type-B USB port. Multiple MSD300 units can be cascaded via UART port.

As a highly cost-effective sending card, the MSD300 can be mainly used in the rental and fixed installation applications, such as concerts, live events, security monitoring centers, Olympic Games and various sports centers.

Certifications

EMC, RoHS, PFoS, FCC

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.
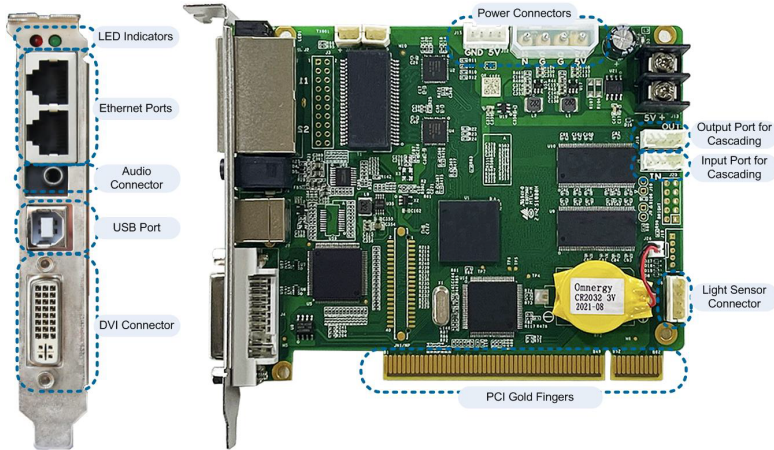
Features

2 types of input connectors

– 1x SL-DVI

– 1x AUDIO

2x Gigabit Ethernet outputs

1x light sensor connector

1x type-B USB control port

2x UART control ports

They are used for device cascading. Up to 20 devices can be cascaded.

Pixel level brightness and chroma calibration

Work with NovaStar's high‑precision calibration system to calibrate the brightness and chroma of each pixel, effectively removing brightness differences and chroma differences, and enabling high brightness consistency and chroma consistency.

Appearance

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

Indicator	Status	Description
RUN (Green)	Slow flashing (flashing once in 2s)	No video input is available.
	Normal flashing (flashing 4 times in 1s)	The video input is available.
	Fast flashing (flashing 30 times in 1s)	The screen is displaying the startup image.
	Breathing	The Ethernet port redundancy has taken effect.
STA (Red)	Always on	The power supply is normal.
	Off	The power is not supplied, or the power supply is abnormal.

Connector Type	Connector Name	Description
Input	DVI	1x SL-DVI input connector Resolutions up to 1920×1200@60Hz Custom resolutions supported Maximum width: 3840 (3840×600@60Hz) Maximum height: 3840 (548×3840@60Hz) DOES NOT support interlaced signal input.
	AUDIO	Audio input connector
Output	2x RJ45	2x RJ45 Gigabit Ethernet ports Capacity per port up to 650,000 pixels Redundancy between Ethernet ports supported
Functionality	LIGHT SENSOR	Connect to a light sensor to monitor ambient brightness to allow for automatic screen brightness adjustment.

Control	USB	Type-B USB 2.0 port to connect to PC
	UART IN/OUT	Input and output ports to cascade devices. Up to 20 devices can be cascaded.
Power	DC 3.3 V to 5.5 V	