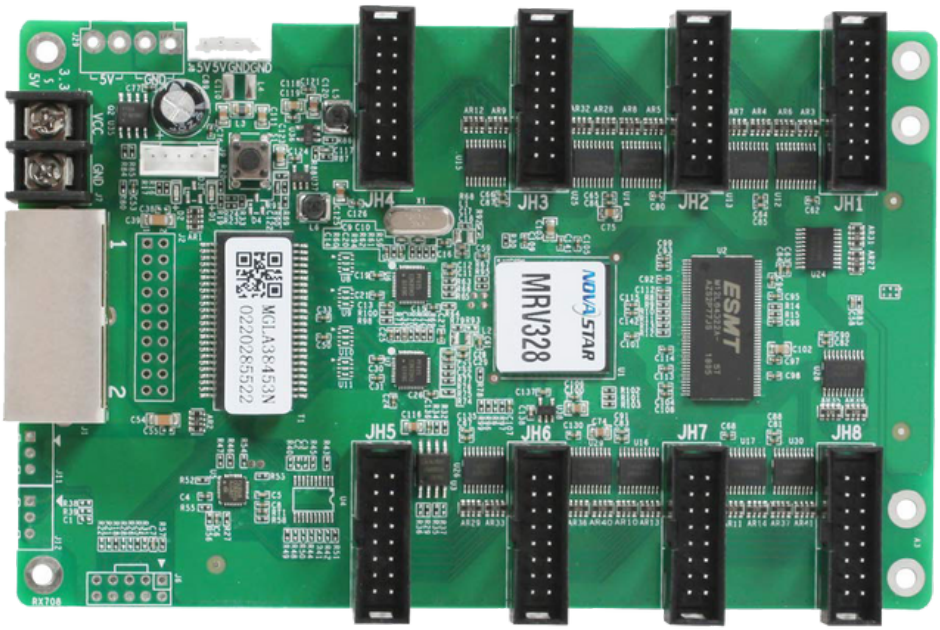
flyUP :: Technology

Product Specifications

Receiving Card



MRV 328

Overview:

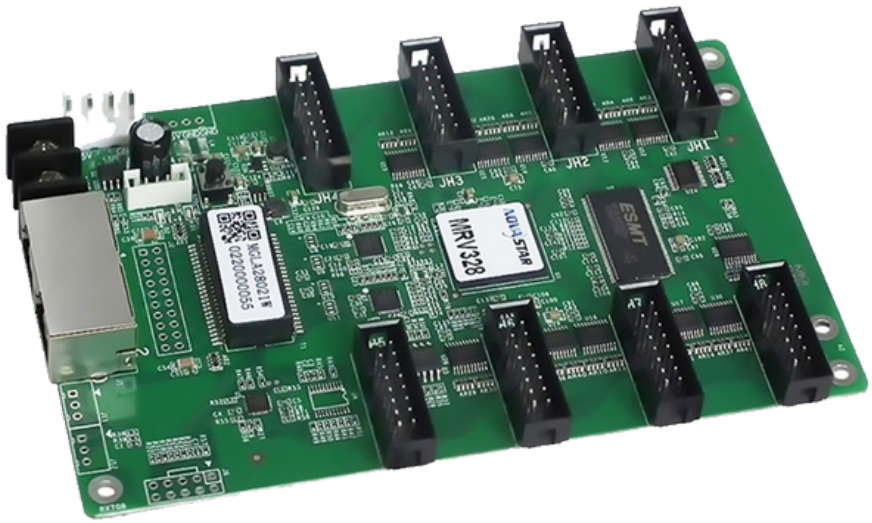
The MRV328 is a new receiving card developed by NovaStar. A single MRV328 loads up to 256x256 pixels. The MRV328 supports pixel level brightness and chroma calibration, which effectively removes color difference, greatly improves display consistency of LED images, and presents finer displays to users. Software and hardware designs of the MRV328 have fully concerned users' deployment, operating and maintenance scenarios, enabling easier deployment, more stable operating and more efficient maintenance.

Hardware design:

- Integrates 8 standard HUB75 connectors, which makes the HUB board unnecessary.
- Adopts the Gigabit Ethernet port, which can connect to the PC.

Software design:

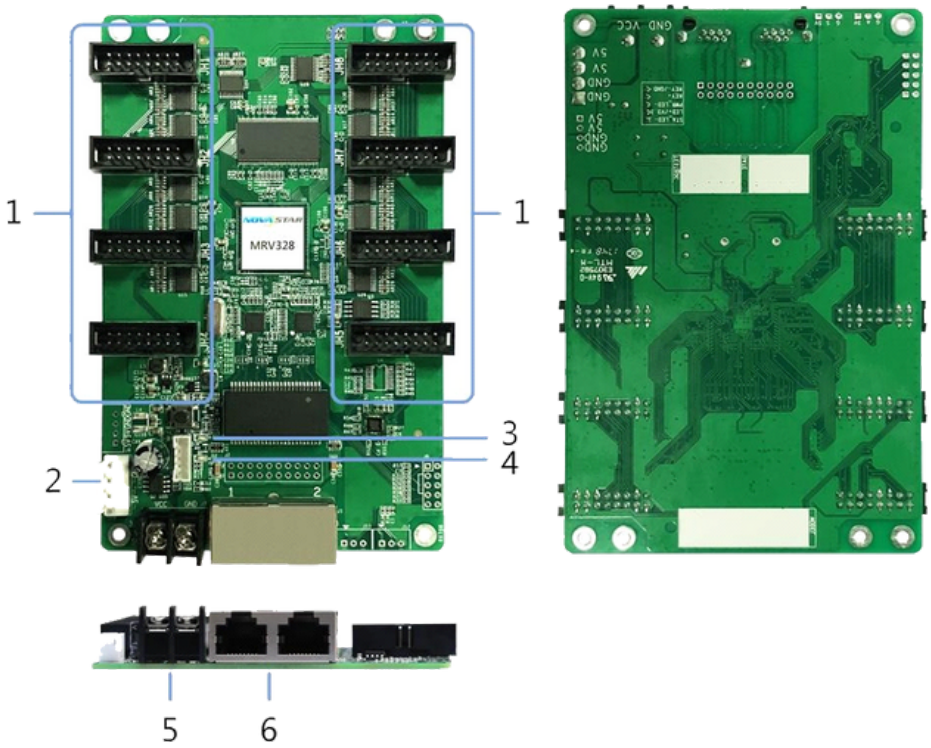
- Supports pixel level brightness and chroma calibration.
- Supports setting of images pre-stored in the receiving card.
- Supports status detection of temperature, voltage, Ethernet cable communication and video source signals.
- Supports the 5-pin LCD module.



Features:

Features	Description
Supporting pixel level brightness and chroma calibration	Brightness and chroma calibration on NovaLCT for each pixel could remove color difference effectively, make the brightness and chroma of the whole screen highly consistent, and improve the display effect.
Supporting setting of images pre-stored in the receiving card	On NovaLCT, the specified images could be set as the screen startup image and images used when the Ethernet cable is disconnected or no video source signal is available.
Supporting status detection of temperature, voltage, Ethernet cable communication and video source signals	On NovaLCT, the status of receiving card's temperature, voltage, Ethernet cable communication and video source signals can be detected
Supporting LCD module	Supports NovaStar's general 5-pin LCD module. The LCD module is connected to the HUB board to display temperature, voltage, single operating time and total operating time of the receiving card.
Supporting readback of configuration file	On NovaLCT (V5.0.0 or later), the configuration information stored in the receiving card can be read back.
Supporting readback of firmware version	On NovaLCT (V5.0.0 or later), the firmware versions of the receiving card can be read back

Hardware Structure:



No.	Description
1	HUB75 connectors
2	Power socket
3	D1, status indicator
4	D2, power indicator
5	Power socket
6	Gigabit Ethernet ports