



Shenzhen Mooncell Electronics Co., Ltd

Sending Card Series

V30PRO Product Specifications

1 Product Overview

Product Introduction

V30PRO is the Sending Card that produced by Mooncell, it supports DVI Input and is with 2 Network Output Ports. The maximum loading capacity could reach up to 1.3 million pixels, with powerful processing ability, super reliability and high cost performance.

Product Features

- 1x DVI video signal input, synchronous transmission via the network cable.
- 1x AUDIO input, synchronous transmission via the network cable.
- It has the serial port and to use it together with the light sensor to get the brightness of the led screen automatically adjusted.
- 2x gigabytes Ethernet output ports, it supports the arbitrary splicing.
- 1x USB port communication, multiple sending cards could be cascading connected to one computer.
- It has 1x 100M megabyte Ethernet Port.
- It supports Ethernet Port Loop Dual Backup, Dual Master Controller Backup.
- It supports to have multiple preset resolutions: 1024×768 、 1280×1024 、 1366×768 、 1600×1200 、 1920×1080 、 2048×1152 、 2560×960 and the user defined resolution is supported.
- It is compatible with 30HZ, 50HZ, 60HZ, 120HZ and other Frame Rate Input.
- It supports the upper computer software to detect the operating parameters and status of the sending card.
- It supports to read the configurations back from where it was stored (configuration read back)
- It supports to detect the error rates of the gigabyte network.
- It features PCI-E interface, which makes it more versatility.

Application Scenarios

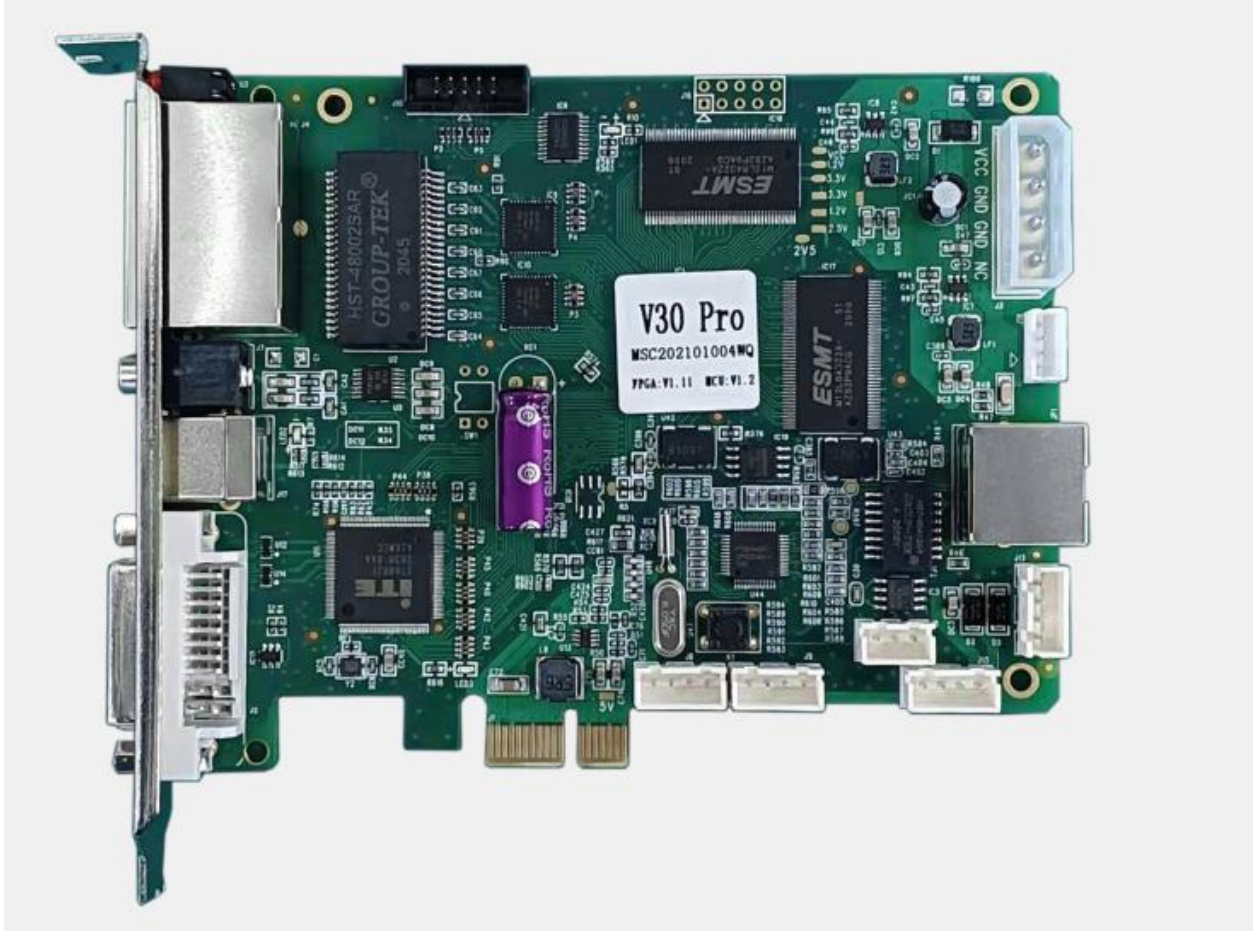
Mooncell V30PRO can be widely used in small rental and simple fixed LED display fields, and has significant advantages in application scenarios such as hotel stages, bars, TV stations, and outdoor advertising projects.

2 Product Parameters

Basic Parameters

<i>Loading Capacity</i>	<i>1 Network Port</i>	<i>650 Thousand Pixels</i>
	<i>Entire Unit</i>	<i>1.3 Million Pixels</i>
<i>Loading Range</i>	<i>Width</i>	<i>4096 Pixels</i>
	<i>Height</i>	<i>4096 Pixels</i>
<i>Shift Range</i>	<i>Width</i>	<i>0—4095 Pixels</i>
	<i>Height</i>	<i>0—4095 Pixels</i>

Hardware Introduction



Interface Illustration		
<i>Input Interface</i>		
#	Name	Illustration
2	AUDIO	3.5mm Audio Input Port
4	DVI	DVI Video Signal Input Port
<i>Output Interface</i>		
#	Name	Illustration
1	Gigabyte Ethernet Ports	<ul style="list-style-type: none"> ◆ 2 x Gigabyte Ethernet Ports ◆ The maximum loading capacity will be 650 thousand pixels for 1 port ◆ It supports the loop backup between the Ethernet ports.
<i>Control Interface</i>		
#	Name	Illustration
3	USB (B Type)	To get it connected to the software on PC so as to communicate.
<i>Function Interface</i>		
#	Name	Illustration
6	100M megabyte Ethernet Port	100M megabyte Ethernet signal Port
<i>Power Interface</i>		
#	Name	Illustration
5	DC POWER PORT	Standard 5.08MM Socket, it is suitable for the power supply of the computer.
7		Standard,2.54MM Socket, it is suitable for the internal video processor.

Function Interface

J6 Interface Definition

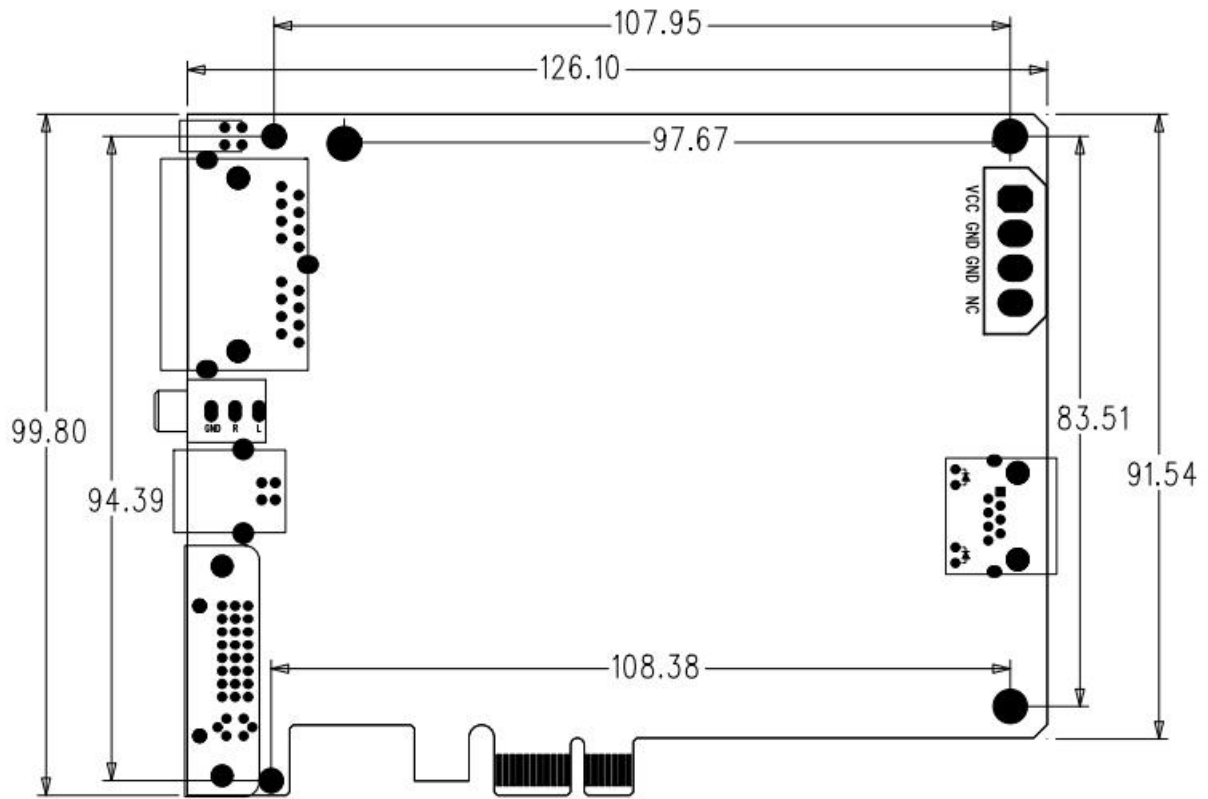
Definition	1	2	3	4
PIN	PROG	GND	RXD	TXD

J10 Interface Definition

Definition	PIN		Definition
VAA	1	2	GND
P0LED	3	4	P1LED
DVILED	5	6	USBLED
RELAY1	7	8	RELAY2

GND	9	10	VAA
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Dimensions



3 Product Specifications

Specifications

<i>Electric Parameters</i>	<i>Input Voltage</i>	<i>5V</i>
	<i>Rated Power</i>	<i>3W</i>
<i>Operating Environment</i>	<i>Operating Temperature</i>	<i>-20°C - 70°C</i>
	<i>Operating Humidity</i>	<i>10%RH-90%RH No Solidification</i>
<i>Dimensions</i>	<i>126.12mmX99.8mm(Length x Width x Height)</i>	
<i>Net Weight</i>	<i>110g</i>	

Precautions

1. The installation process should be completed by professionals.
2. It has to be anti-static.
3. Waterproof and dust proof needed.