Mooncell

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.

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2Product Parameters

Basic Parameters

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

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![Mooncell logo] *Shenzhen Mooncell Electronic Co., Ltd.*

Hardware Introduction

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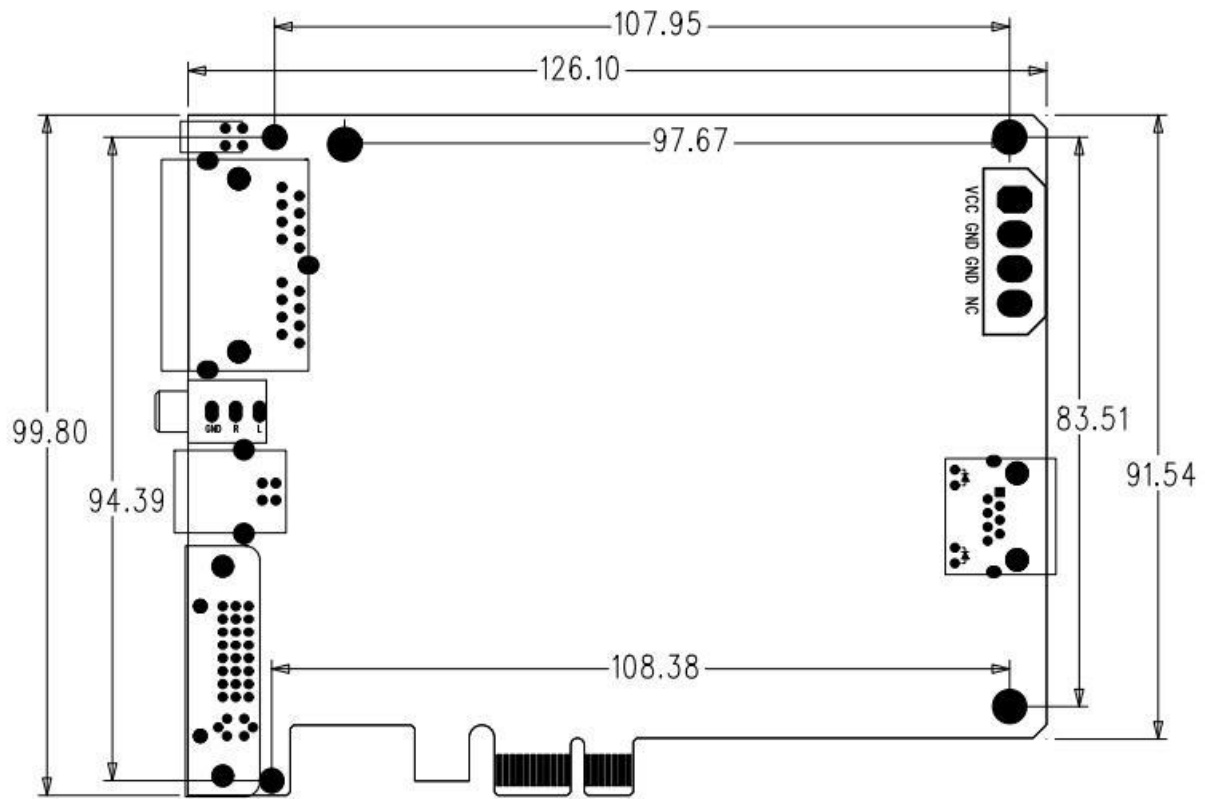| **Interface Illustration**		
Input Interface		
#	*Name*	*Illustration*
2	*AUDIO*	*3.5mm Audio Input Port*
4	*DVI*	*DVI Video Signal Input Port*
Output Interface		
#	*Name*	*Illustration*
1	*Gigabyte Ethernet Ports*	◆ *2 x Gigabyte Ethernet Ports* ◆ *The maximum loading capacity will be 650 thousand pixels for 1 port* ◆ *It supports the loop backup between the Ethernet ports.*
Control Interface		
#	*Name*	*Illustration*
3	*USB（B Type）*	*To get it connected to the software on PC so as to communicate.*
Function Interface		
#	*Name*	*Illustration*
6	*100M megabyte Ethernet Port*	*100M megabyte Ethernet signal Port*
Power Interface		
#	*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*

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GND	9	10	VAA

Dimensions

3Product Specifications

Specifications

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

Precautions

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