Mooncell

V30 Pro Sending Card

Specification V3.1

Shenzhen Mooncell Electronics Co., Ltd

1 Product Overview

Product Introduction

V30PRO is the Sending Card that produced by Mooncell, 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.**

➢ **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**

➢ **It supports to detect the error rates of the gigabyte network.**

➢ **It features PCI-E interface,which makes it more versatility**
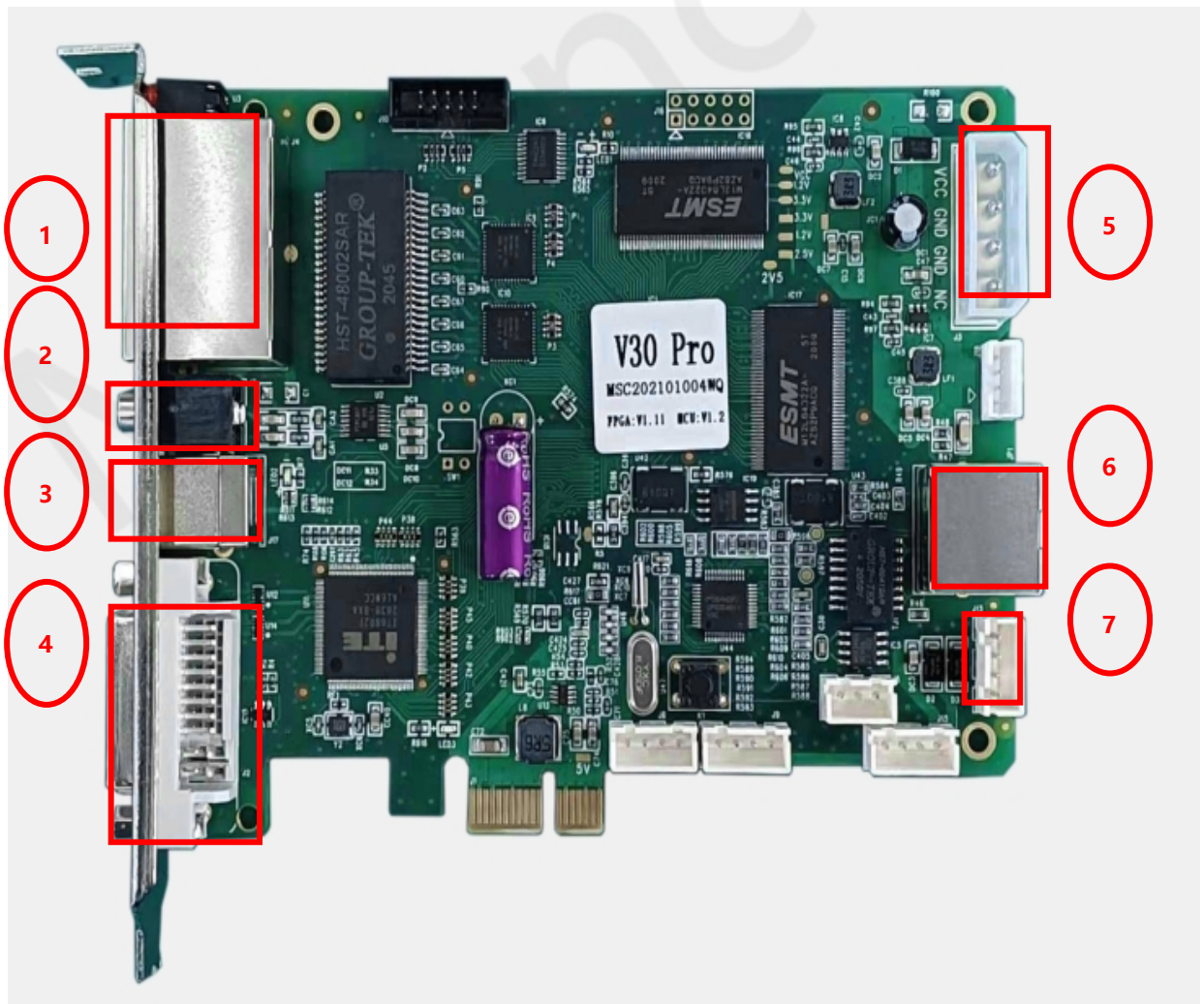
Application Scenarios

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

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

Hardware Introduction

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 650thousand pixels for 1 port
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	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.

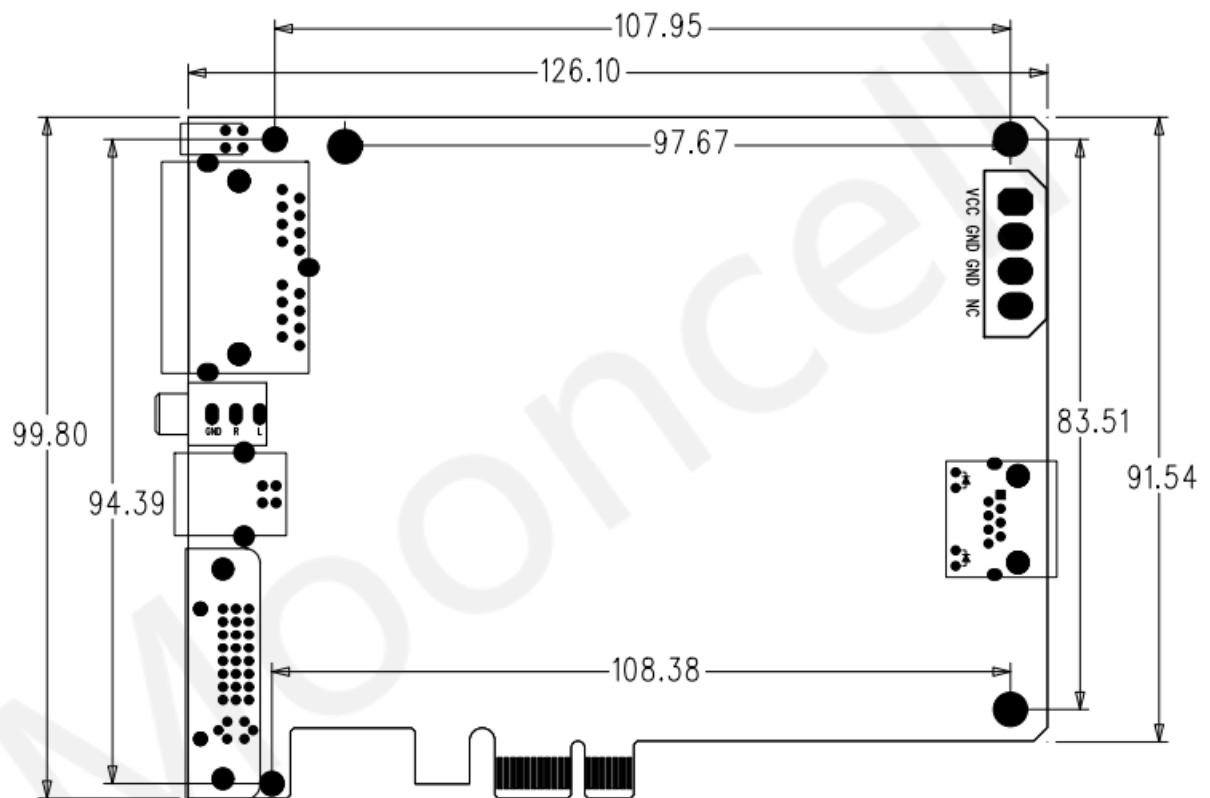## Function Interface

J6 Interface Definition

Definition	1	2	3	4
PIN	PROG	GND	RXD	TXD

J10Interface Definition

Definition	PIN		Definition
VAA	1	2	GND

P0LED	3	4	P1LED
DVILED	5	6	USBLED
RELAY1	7	8	RELAY2
GND	9	10	VAA

Dimensions

3 Product Specification

Specifications

Electric Parameters	Input Voltage	5V
	Rated Power	3W
Operating Environment	Operating Temperature	-20℃ - 70℃
	Operating Humidity	10%RH-90%RH No Solidification
Dimensions	126.10mmX99.8mm	
Net Weight	110g	
Packing Size	375*155*390mm	
Gross Weight	0.4kg	
Packing Ways	10 PCS/Box	

Precautions

1. **The installation process should be completed by professionals.**

2. **It has to be anti-static.**

3. **Waterproof and dust proof needed.**