



V30 Pro

Sending Card

Specification V4.0



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1 Update Records

Document Version	Hardware Version	Release Time	Update Record
V4.0	V30 Pro (V1.1.2)	July 17(th), 2025	First release

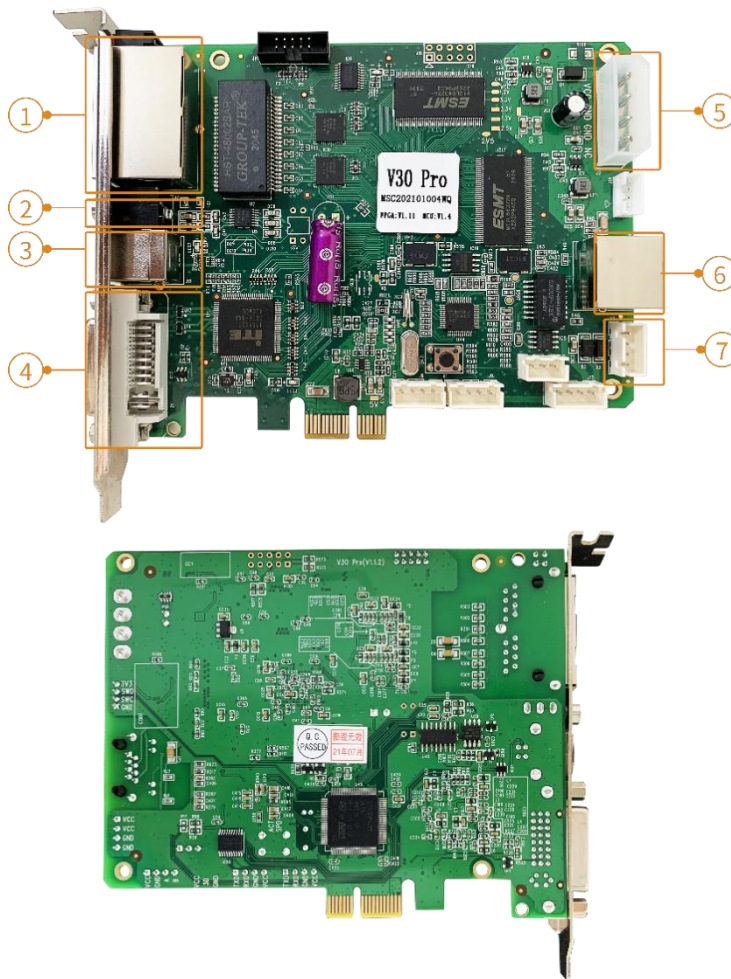
2 Product Introduction

V30 Pro is the Sending Card that produced by Mooncell, it supports 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.

3 Product Characteristics

- Support 1 channel DVI video signal input, synchronous transmission through network cable
- Support 1 AUDIO audio input, synchronous transmission through network cable
- Support 2 gigabit network port output, support up, down, left and right arbitrary splicing
- Support 1 USB interface communication, which can be controlled by multiple sending cards on the same PC
- Support 1 channel 100M network communication interface
- Support network port loop backup, dual master backup
- Support EDID management
- Compatible with 30HZ, 50HZ, 60HZ, 120HZ and other frame rate inputs
- Support the upper computer software to monitor the operating parameters and status of the sending card
- Support configuration parameter readback
- Support Gigabit network error bit rate detection
- Adopt PCI-E interface for greater versatility

4 Product Appearance



*Product images are for reference only. The actual product shall prevail upon purchase.

4.1 Data Interface Illustration

#	Name	Illustration
1	Gigabit Ethernet port	2 Gigabit network ports, single network port with 650,000 pixels; support inter-network port loop backup
2	Audio	1 × 3.5mm audio input interface
3	USB	1 × USB (Type B): Connect to PC software communication
4	DVI	1 × DVI video signal input interface: maximum support resolution 1920 × 1200@60HZ
5	DC power supply	Standard 5.08mm socket, suitable for computer power supply
6	LAN	1 × LAN 100M network port signal
7	DC power interface	Standard 2.54mm socket for built-in video processor

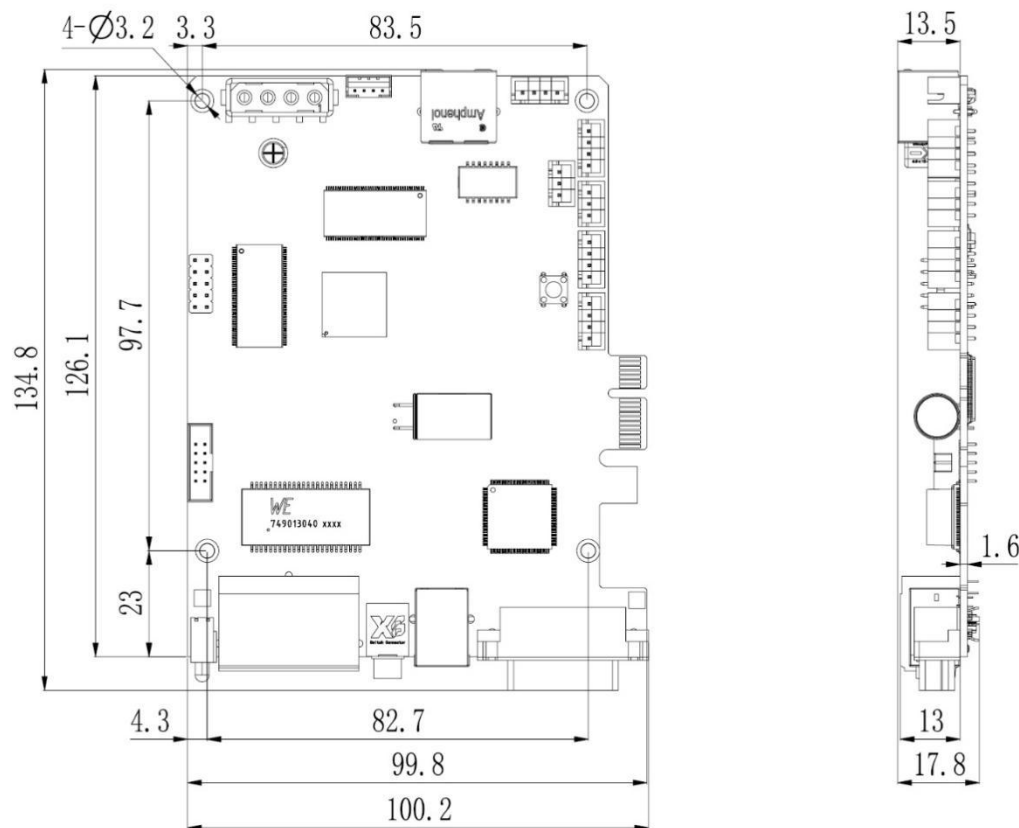
J6 Interface Definition

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

4.2 Dimensions



Tolerance: ± 0.3 Unit: mm

4.3 Output Interface Definition

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

5 Product Specification

5.1 Basic Parameters

Loading capacity	Single network port	The maximum load is 655360 pixels, and the network port load is 1280×512 .
	Whole Unit	1.30 million Pixels
load range	Width	4096 pixels
	Height	2048 pixels
Offset	Width	0 - 4095 pixels
Range	Height	0 - 2048 pixels

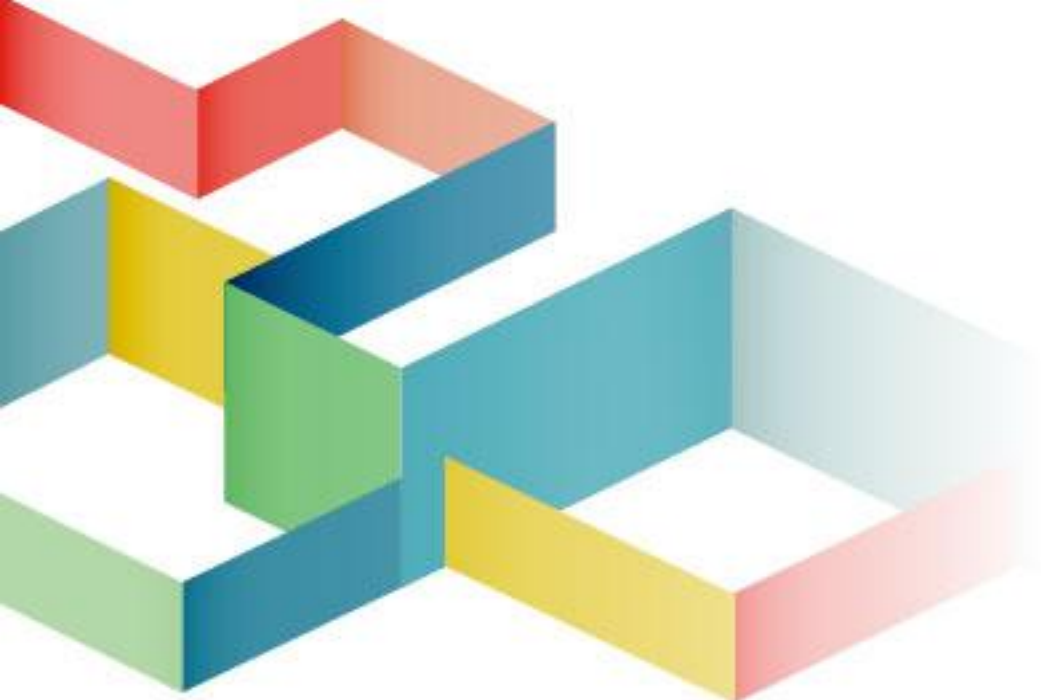
5.2 Specification

Electrical parameters	Rated voltage	DC3.5~5.5V
	Rated current	0.6A
	Rated power	3W
Working environment	Working temperature	-20°C~60°C
	Working humidity	10%RH~90%RH has no condensation.
Storage environment	Temperature	-20°C~70°C
Board size	100.2mm×134.8mm	
Net weight	108g Description: Weight of single card	
Outer packing size	225×178×70mm	
Gross weight of product	411.5Kg Description: Including wire, accessories	
Packing mode	100PCS /box	
Certificate Information	Comply with RoHS standards and CE-EMC standards.	

*Current and power consumption may vary depending on factors such as product usage, environment, and settings.

7 Precautions

- High voltage hazard: This product operates at AC 100V~240V.
- Do not allow liquids or metal fragments and other conductive materials to enter the device, to prevent safety accidents.
- Please use the device in a dry and clean environment.



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