

U1-A

Full Color LED Video Processor

Version: v2.3

Release Date: November 2021



Specification



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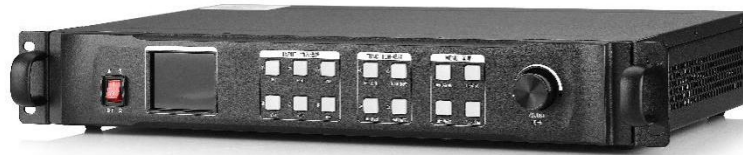
Professional Ultra HD Video Display
Control system integrated solution and service provider

Video processor U1-A product specification

Summary

The U1-A is designed to address the limitations of large screen control systems in image processing, picture control and signal format conversion. The industry's top design technology is in line with international and industry standards.

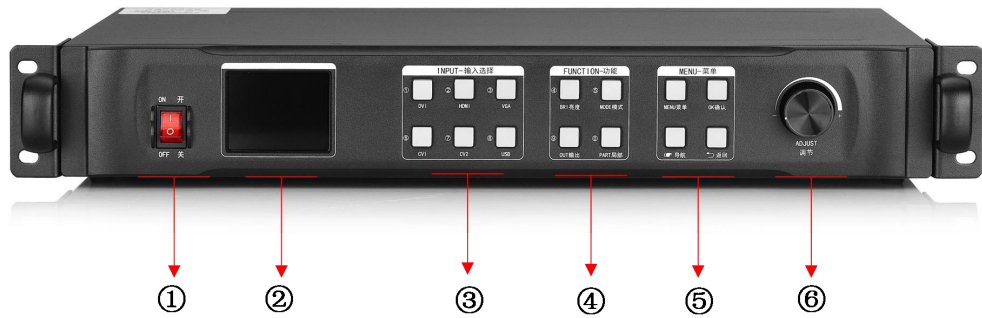
The whole machine can carry 1920 x 1200 load, which can meet the needs of most small and medium-sized projects.



Functional characteristics

- 2 channel programming output channel, the most wide band of 1920 pixels, with a maximum load of 1200 pixels.
- Any part of the signal source is intercepted and displayed.
- Support multiple high definition signal inputs
- Executable offline planning tasks
- can save 5 scene modes, one key call.
- Support direct cut and fade in, no black screen, caton.
- Panel recognition source status
- Support one button black screen / static.
- Support PC software control.
- Support brightness 0-255 adjustment
- Two LED sending cards can be built.

Panel description



| Serial number | Functional description |
|---------------|--------------------------------------|
| ① | Power switch |
| ② | Full color LCD information screen |
| ③ | Signal source quick select area |
| ④ | Function button area |
| ⑤ | Parameter setting and debugging area |
| ⑥ | Knob adjustment |

Port specification



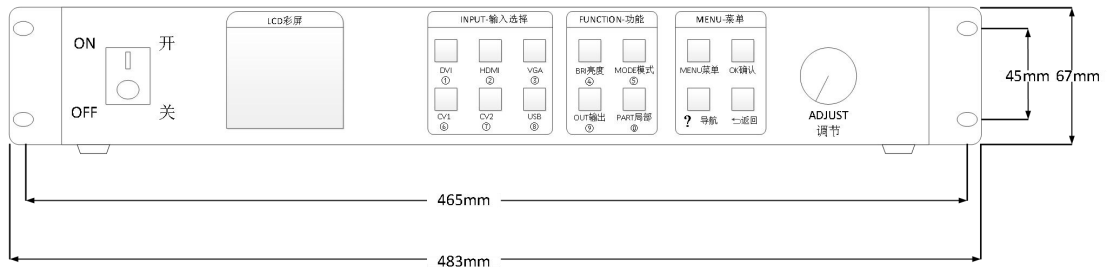
| Input port | | |
|----------------|--------|--|
| Type | Number | Specifications |
| CVBS (BNC) | 2 | NTSC/PAL adaptive, 3D comb filter support |
| VGA | 1 | VESA standard, maximum support 1920 * 1080@60Hz |
| DVI | 1 | The maximum support is 1920 x 1200@60Hz, compatible with HDMI1.3 and the following versions. |
| HDMI | 1 | Compatible with HDMI1.3 and below |
| USB | 1 | USB2.0, support USB offline play. |
| 1/8" TRS Audio | 1 | 3.5mm stereo interface, 2.0Vp-p / 10 KΩ |

| Output port | | |
|----------------|--------|--|
| Type | Number | Specifications |
| DVI-D | 2 | Maximum horizontal resolution 1920 pixels Vertical resolution up to 1200 pixels |
| 1/8" TRS Audio | 1 | 6.3mm stereo interface, 2.0Vp-p / 10 KΩ |

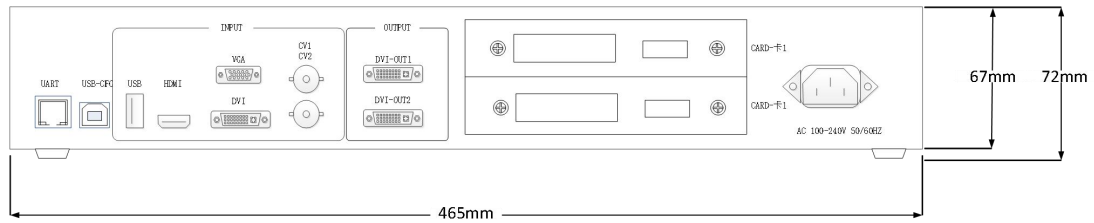
| Control port | | |
|--------------|--------|------------------------------|
| Type | Number | Specifications |
| USB-CFG | 1 | USB Type B |
| UART (RJ-45) | 1 | IN&OUT, serial port protocol |

| Specification for whole machine | |
|------------------------------------|--------------------------|
| Input power supply | 100-240V AC~50/60Hz 0.6A |
| Working temperature | 0-45°C |
| Shape size | 483×283×72mm (L×W×H) |
| Net weight | 4KG |
| Complete machine power consumption | 36W |

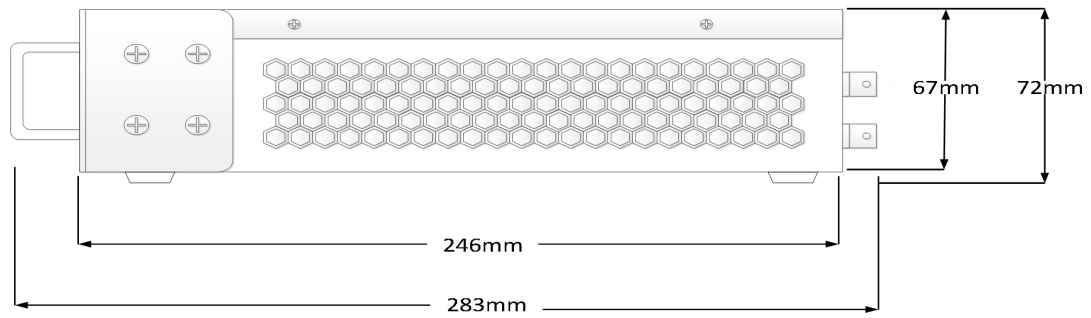
Appendix: equipment size drawing



Front size map



Back size drawing



Side size drawing