

PMAX-OUT UHD-HDMI2

HDMI 4K output card



Features

- Support 2 channels HDMI-A interface seamless output, 3.5mm audio jacket.
- Maximum output distance up to 7 meters.
- Support hot-swap, and audio video signal synchronized switching.
- Support analog audio and HDMI built-in audio output at the same time.
- Support EDID reading function.
- Maximally Supported Resolution: 4K×2K@30.

Specifications

| The parameter name | | PMAX-OUT UHD-HDMI2 |
|---------------------------|---|--|
| Protocol | HDMI1.4a standards/HDCP1.3 protocol , DVI1.0 protocol | |
| Video | Gain | 0 dB |
| | Pixel bandwidth | 297MHz, full-digital |
| | Interface bandwidth | 4.5Gbps, Full-digital (total 13.5Gbps, each color 4.5Gbps) |
| | Maximum support resolution | 4K×2K@30 |
| | Clock Jitter | <0.15 Tbit |
| | Rise time | <0.3Tbit (20%--80%) |
| | Fall time | <0.3Tbit (20%--80%) |
| | Maximum transmission delay | 5nS(±1nS) |
| | Connector | 2 HDMI interfaces , 2 3.5mm audio jacket |
| | Signal strength | T.M.D.S. +/- 0.4Vpp |
| | Minimum / maximum level | T.M.D.S. 2.9V/3.3V |
| | Impedance | 50 Ω |
| | EDID | N/A |
| | Maximum DC offset error | 15mV |
| | Recommended maximum input/output distance | Output less than 7 meters(1600x1200@60), recommend use certified DVI special wire such as Molex TM wire. |
| The product weight | | About 0.5KG |
| Maximum power dissipation | | 20W |

PJMAX-OUT DVI4

DVI splicing output card



Features

- Support 4 DVI-D female output connectors.
- Support image splicing function.
- Maximum output distance is up to 7 meters.
- Support hot-swap function.
- Support EDID reading.
- Support 4 channels DVI seamless output; maximum resolution up to 1920*1200@60HZ; integrated with 4 channels independent audio output.
- 2 windows are supported on one single screen; signals can overlap with each, roam, and be zoomed in any scales.

Specifications

| The parameter name | | PJMAX-OUT DVI4 |
|---------------------------|---|--|
| Protocol | DVI1.0 protocol | |
| Video | Gain | 0 dB |
| | Pixel bandwidth | 165MHz |
| | Interface bandwidth | 2.25Gbps, full digital (total 6.75Gbps, each color 2.25Gbps) |
| | Maximum support resolution | HDPC: 1920x1200P@60, HDTV: 1920x1080P@60; |
| | Clock Jitter | <0.15 Tbit |
| | Rise time | <0.3Tbit (20%--80%) |
| | Fall time | <0.3Tbit (20%--80%) |
| | Maximum transmission delay | 5nS(±1nS) |
| | Connector | 4 DVI-D female connectors, 4 3.5mm audio socket |
| | Signal strength | T.M.D.S. +/- 0.4Vpp |
| | Minimum / maximum level | T.M.D.S. 2.9V/3.3V |
| | Impedance | 50 Ω |
| | EDID | N/A |
| | Maximum DC offset error | 15mV |
| | Recommended maximum input/output distance | Output less than 7 meters(1600x1200@60), recommend use certified DVI special wire such as Molex TM wire. |
| The product weight | | About 0.5KG |
| Maximum power dissipation | | 15W |

PJMAX-OUT DVI2

DVI splicing output card



Features

- Support 2 channels DVI-D female interface output.
- Support image splicing function.
- Maximum output distance up to 7 meters.
- Support hot-swap function.
- Support EDID reading function.
- Support 2 channels DVI image splicing output; maximally supported resolution: 1920*1200@60Hz.
- 4 windows are supported on one single screen; signals can overlap with each, roam, and be zoomed in any scales.

Specifications

| The parameter name | | PJMAX-OUT DVI2 |
|---------------------------|---|--|
| Video | Protocol | DVI1.0 protocol |
| | Gain | 0 dB |
| | Pixel bandwidth | 165MHz |
| | Interface bandwidth | 2.25Gbps, full digital (a total of 6.75Gbps, each color is 2.25Gbps) |
| | Maximum support resolution | HDPC: 1920x1200P@60, HDTV: 1920x1080P@60; |
| | Control scale | One machine can control maximally 144 screen and multiple groups of screens, supports 128 presets saving and fast recall |
| | Clock Jitter | <0.15 Tbit |
| | Rise time | <0.3Tbit (20%--80%) |
| | Fall time | <0.3Tbit (20%--80%) |
| | Maximum transmission delay | 5nS(±1nS) |
| | Connector | 2 DVI-I female connectors, |
| | Signal strength | T.M.D.S. +/- 0.4Vpp |
| | Minimum / maximum level | T.M.D.S. 2.9V/3.3V |
| | Impedance | 50 Ω |
| | EDID | N/A |
| | Maximum DC offset error | 15mV |
| | Recommended maximum input/output distance | Output less than 7 meters(1600x1200@60), recommend use certified DVI special wire such as Molex TM wire. |
| The product weight | | About 0.5KG |
| Maximum power dissipation | | 15W |

PJMAX-OUT HD4

H-CAT splicing output card



Features

- 4 high-speed RJ45 output connectors, 4 6-PIN phoenix connectors.
- Support videowall signal processing function.
- Maximum transmission distance can up to 100M with CAT5e/6 cable.
- Support Hot-swap function; Support synchronized switching of audio and video signals; Support AUTO DELAY.
- Support EDID Reading function.
- Compatible with H-CAT protocol.
- Support 4 H-CAT seamless outputs, the RS-232 and IR connectors are embed on card.
- The maximum output resolution can up to 1920*1200@60Hz when cooperated with CR-UCAT5 HDMI 4KR, and transmitting distance can be up to 100m.
- Supply power to distant transmitters with an optional POC power supply.
- Support 2 windows on 1 single screen; signals can be overlapped, roamed, and displayed in random scale.

Specifications

| The parameter name | | PJMAX-OUT HD4 |
|--------------------------------|--|--|
| Connector | 4 high-speed RJ45 connectors and 4 6-pin phoenix sockets | |
| Input/output of LINK connector | Protocol | H-CAT protocol |
| | Pixel bandwidth | 165MHz, full digital |
| | Interface bandwidth | 2.25Gbps, full digital (a total of 6.75Gbps, each color is 2.25Gbps) |
| | Maximum support resolution | HDPC: 1920x1200P@60, HDTV: 1920x1080P@60; |
| | Signal type | High speed contrast signal defined in H-CAT protocol |
| | POC | With POC power supply function (+48V), when combined with CREATOR CAT5 series transmitters, PMAX-OUT HD4 card can supply power to other devices via a CAT 5e/6 cable. Pay attention to that this card can not be connected with the transmitter which is a POC power supply equipment. |
| | Impedance | 50 Ω |
| | EDID | N/A |
| | Maximum DC offset error | 15mV |
| | Recommended maximum input/output distance | Less than 100 meters (1600x1200@60), recommend use certified NEXANS CAT5e/6 wire |
| The product weight | | About 0. 5KG |
| Maximum power dissipation | | 22W |