# ICS SERIES LED CONTROLLER
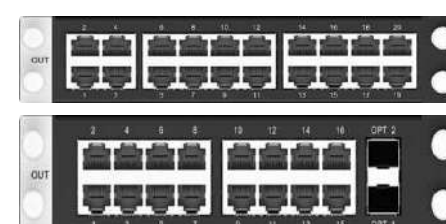
## ⬎ Input/Output Cards

**PRO-UHD-HDBaseT-IN2**

- Supports maximum resolution of 3840*2160@60Hz, switching signal is not black screen / splash screen in each card
- Support 2 channels of HDBaseT signal input / output, support USB2.0 signal transmission
- Support 2 channels of audio signal input and loop out
- Support 2 channels of RS232 transparent transmission

**PRO-UHD-S-IN2**

- Supports maximum resolution of 3840*2160@60Hz, switching signal is not black screen / splash screen
- Support 2 channels of HDMI signal input / output, support USB2.0 signal transmission
- Support 2 channels of audio signal input and loop out
- Support 2 channels of RS232 transparent transmission

**PRO-HDCI-IN2**

- Supports 2 HDCI signal inputs/outputs
- Supports Polycom camera and host dedicated interface
- Supports video and control signal synchronous transmission

**PRO-HDMI-4K-IN2**

- Supports 2 HDMI-A type female connector on inputs/outputs, supports 2 RS232 transmission function
- Compatible with HDMI2.0,DVI1.0 and HDCP2.2
- Supports RGB444/YUV444/YUV422color space
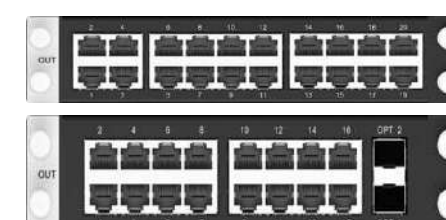- Maximum supports 3840*2160@24/25/30Hz resolution

**PRO-HSDA-IN2**

- Supports 2 HDMI/DVI/VGA/YPbPr/CVBS inputs / outputs, support 2 RS232 transmission function
- Supports HDMI1.3a,DVI1.0 and HDCP protocol
- Supports RGB444/YUV444/YUV422color space
- Maximum supports 1920*1200@60Hz resolution

**PRO-3GSDI-IN2**

- Supports 2 HDBaseT signal inputs/outputs, the interface uses RJ45, support POC power supply, support 2 Rs232 control signal transmission
- Supports HDMI1.3a, DVI1.0 protocol and support HDCP
- Supports RGB444/YUV444/YUV422 color space
- Maximum supports 3840*2160@24/25/30Hz resolution
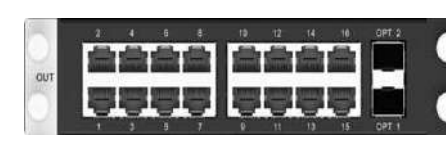
**PRO-3GSDI-IN2**

- Adaptive to 3G/HD/SD-SDI signal inputs / outputs, supports 2 SDI signal loop out/buffered out, 2 RS232 transmission function
- Conform to SMPTE and ITU standards
- Supports RGB444/YUV444/YUV422 color space
- Maximum supports 1920*1200@60Hz resolution

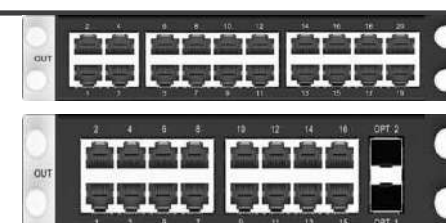**PRO-3GSDI-OUT2**

**PRO-FIBER-IN2**

- Supports 2 LC fiber optic signal inputs/outputs, single mode can transmits 500m, compatible with multimode fiber, transmission distance upgradeable to10 km / 20 km /40 km /80 km
- Supports HDMI1.3a, DVI1.0 and HDCP protocol
- Supports RGB444/YUV444/YUV422 color space
- Maximum supports 1920*1080P@60Hz resolution

**PRO-IP-IN2**

- Supports 2 TCP/IP signal decoding/encoding,
- Supports H.264, RTSP coding protocol
- Supports H.323, SIP communication protocol
- Supports seamless connection with IP systems and monitoring system (optional)
- Maximum supports 1920*1080P@60Hz resolution

## ⬎ Technical parameters

| Product model | ICS 4/4 | ICS 8/8 | ICS 12/12 | ICS 16/16 |
|---|---|---|---|---|

| Connections | | | | |
|---|---|---|---|---|
| Input/output Slot | 10/5 | 20/10 | 40/20 | 80/40 |
| Input module | Support CVBS, YPbPr, VGA, HDMI, DVI, AUDIO, 3GSDI, HDBaseT,HDCI, Fiber, IP Streaming | | | |
| Output module | Support CVBS, YPbPr, VGA, HDMI, DVI, AUDIO, 3GSDI, HDBaseT, HDCI,Fiber, IP Streaming LAN | | | |
| Resolution | 4K@60Hz 4:4:4, supports upscaling and down scaling | | | |
| **Control** | | | | |
| Serial Control — Control protocol | RS-232 (baud rate: 115200 Data bits: 8 stop bits: 1 no parity bit) | | | |
| Serial Control — Connector | 9-pin D-sub (DE9F) socket. 2 = TX, 3 = RX5 = GND | | | |
| Network IP — Control protocol | TCP/IP | | | |
| Network IP — Connector | Rj45 connector 10 / 100Base-T Ethernet | | | |
| Color space | Support RGB444, YUV444, YUV422 color space, support for x.v.Color extended color gamut standards | | | |
| Transmission distance | HDBaseT technology transmission 70M (CAT6 cable), H.264 technology transmission is greater than 200 meters (CAT6 cable), 2-80 km (Single-core SingleMode fiber); 30 meters (digital cable) | | | |
| Static protection | Human discharge mode: ± 8kV (air gap discharge) ± 4kV (contact discharge) | | | |
| Input voltage | Power 100VAC ~ 260VAC, 50 / 60Hz, International Adaptive Power, 23W (maximum) /0.5w (Standby) | | | |
| Operating temperature | 0°C ~ 40°C | | | |
| Storage temperature | -20°C ~ 60°C | | | |