ICS Series LED Controller
Model No: ICS 4/4, ICS 8/8, ICS 12/12, ICS 16/16, ICS 20/20, ICS 24/24, ICS 28/28, ICS 32/32
ICS 36/36, ICS 40/40

Introduction

ICS Series LED Controller is customizable of its inputs and outputs and supports HDMI/DVI/SDI/IP Streaming/DP/VGA as a inputs, and supports customizable output of RJ45 Ethernet outputs. It supports all resolution 4k, 8k, 12k, 16k upto 22k in Input and Output.

It communicates with PC via USB port/LAN/RS232. Multiple Controller can be cascaded or single chassis also can be customized. As a highlycost-effective controller, can be mainly used in the all applications.
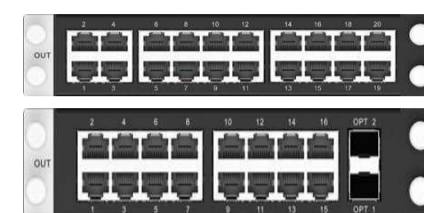
Features

- Simple screen configuration using a single card and connector
- Online status monitoring of all input and output cards
- Hot-swappable input and output cards
- Auto decryption of HDCP – encrypted sources
- Decimal frame rates supported
- HDR/HDR10/HDR10+/HLG (optional)
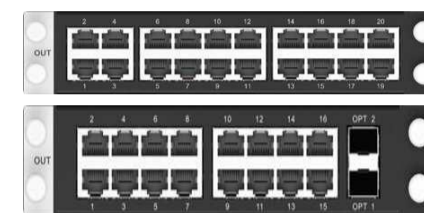
↘ Input/Output Cards

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
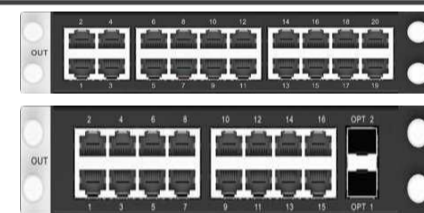- Maximum supports 3840*2160@24/25/30Hz resolution

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-OUT2

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
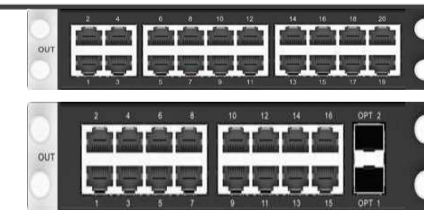
PRO-FIBER-IN2
- Supports 2 LC fiber optic signal inputs/outputs, single mode can transmits 500m, compatible with multimode fiber, transmission distance upgradeable to10 km / 20 km /40 km /80 km
- Supports HDMI1.3a, DVI1.0 and HDCP protocol
- Supports RGB444/YUV444/YUV422 color space
- Maximum supports 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

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)	
	Connector	9-pin D-sub (DE9F) socket. 2 = TX, 3 = RX5 = GND	
Network IP	Control protocol	TCP/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		0ºC ~ 40ºC	
Storage temperature		-20ºC ~ 60ºC	