

MCTRL660 PRO



MCTRL660 PRO is a professional controller developed based on the MCTRL660. Up to 1920×1080@60Hz resolutions per single MCTRL660 PRO.

MCTRL660 PRO supplies complete video source input interfaces, such as HDBaseT, HDMI, DVI and SDI.

Automatic LED screen connection without configuration on the computer makes MCTRL660 PRO more smarter.

What's more, MCTRL660 PRO supports image mirror, presenting a mirroring image on another LED screen, which meets special playback requirements.

The function of pixel level brightness and chroma calibration, can remove color difference, make the brightness and chroma of the whole screen highly consistent, and improve the display effectively.

In addition, MCTRL660 PRO supports optical signal transmission with embeddable fiber converter module.



Features

- Complete video inputs: 1×3G-SDI, 1×HDMI, 1×DVI and 1×HDBaseT.
- Supports 8-bit input with the resolution up to 1920×1080@60Hz.
- Supports 10-bit input with the resolution up to 1600×1200@60Hz.
- Loop outputs: 1×3G-SDI LOOP, 1×HDMI LOOP and 1×DVI LOOP.
- Supports 6 Gigabit Ethernet outputs and 2 optical outputs simultaneously.
- Zero frame latency.
- Supports automatic LED screen connection.
- Supports image mirror.
- Supports pixel level brightness and chroma calibration.
- Supports independent Gamma adjustment.
- Supports web page control based on TCP/IP.
- Supports Art-Net protocol.
- Embeddable fiber converter module.
- Supports cascading of multiple MCTRL660 PRO units.

Rear Panel

	Connector	Description
Input	DVIx1	Single link DVI interface Resolutions Customize Horizontal resolution(Max.): 3840 pixels Vertical resolution(Max.): 3840 pixels
	DVI LOOP	DVI loop out
	HDMI IN	HDMI 1.4a standard 10bit input: Max. supported resolution 1600×1200@60Hz 8bit input: Max. supported resolution 1920×1080@60Hz The max. width: 3840pixel HDCP1.4
	HDMI LOOP	HDMI loop out with HDCP1.4 encryption
	SDI	SMPTE ST 425-1 standard, Level A&B, SMPTE ST274, ST296,ST295 Max. supported resolution 1920×1080@60Hz (downward compatible)
	SDI LOOP	SDI loop out
	HDBaseT	10bit input: Max. supported resolution 1600×1200@60Hz 8bit input: Max. supported resolution 1920×1080@60Hz The max. width: 3840pixel Up to100m transmission distance(CAT6A)

	Connector	Description
Output	RJ45×6	Gigabit Ethernet ports with communication indicators Max. capacity: 650000 pixels Redundancy between ports
	OPT×2	Optical fiber port, LC interface, 1310nm, 10G Bandwidth Single optical fiber port can load 6 Ethernet ports Sending card mode: 2 OPT ports (OPT1 as the main channel, OPT2 as the backup channel) and 6 gigabit Ethernet ports can output the same video data simultaneously. Fiber conversion mode: 1. OPT1 as the main input channel, OPT2 as the backup input channel, 6 gigabit Ethernet ports as outputs; 2. 6 gigabit Ethernet ports as inputs, OPT1 as the main output channel, OPT2 as the backup output channel.
GenLock	IN	Genlock type: Blackburst Genlock synchronizing signal keeping pictures being displayed on the screen in sync with external Genlock source.
	LOOP	GenLock loop out
Control	ETHERNET	Connect to upper PC, support TCP/IP
	USB IN	Connect to upper PC or cascading input interface
	USB OUT	Cascading output interface
Power supply		100-240VAC@50/60Hz



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