灵星雨科技
Linsn Technology

Y8 Two-in-one Video Processor

Specifications

V1.4

Revision History

Document Version	Hardware Version	Revision Date	Note
V1.0		2023/11	New edition
V1.1		2023/12	Revised
V1.2		2024/01	Revised
V1.3	V145-V033	2024/03	Add model
V1.4	V232-V052	2025/03	Separate model type

Overview

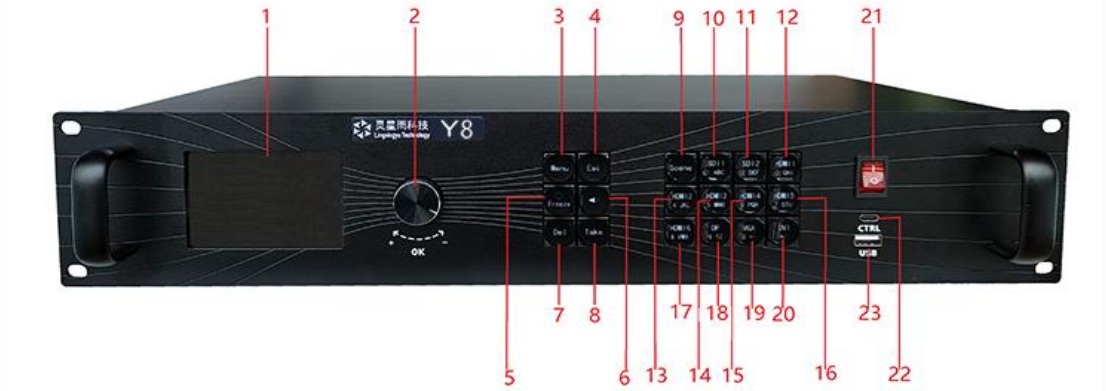
Y8-640 is a series of 4K LED controller designed by LINSN. One device supports 26 million pixels most. It supports various input and 40 gigabit outputs to meet requirements for ultra large LED screen.

Functions and features

1. Various inputs: HDMI2.0*2, DP1.2*1, HDMI1.3*4, VGA*1, DVI*1, 3G-SDI*2(SDI is optional)
2. Supports up to 40 gigabit outputs
3. one device supports up to 26 million pixels
4. Supports up to 15360 pixels wide, or up to 7680 pixels high
5. Supports scaling
6. Multi layers supported and can be positioned randomly, up to 4
7. Review output
8. Scene can be preset
9. Supports EDID management
10. Setup via LAN or type-c port
11. Supports schedule setup
12. License approval
13. Output detection

Appearance

Front

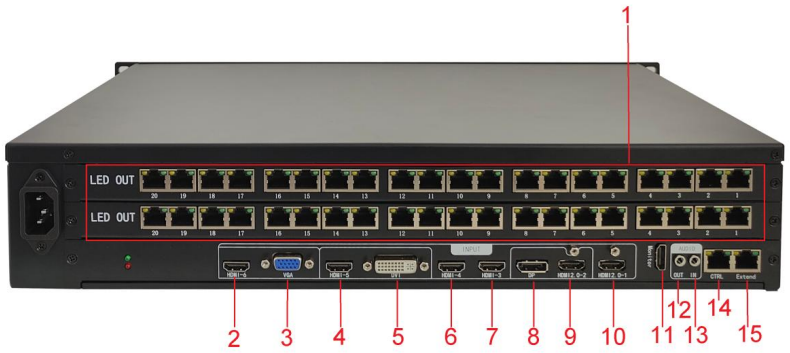


No	Interface	Function
1	LCD monitor	For displaying menu and current status
2	Control knob	Rotate to select and press down to confirm
3	Menu	Press down to enter menu
4	Esc	Press to exit
5	Brightness/Freeze	Press to set brightness or freeze
6	Audio	Press to setup audio
7	Del	Delete
8	Take	Confirmation button for scene
9	Scene	Fast entry for scene

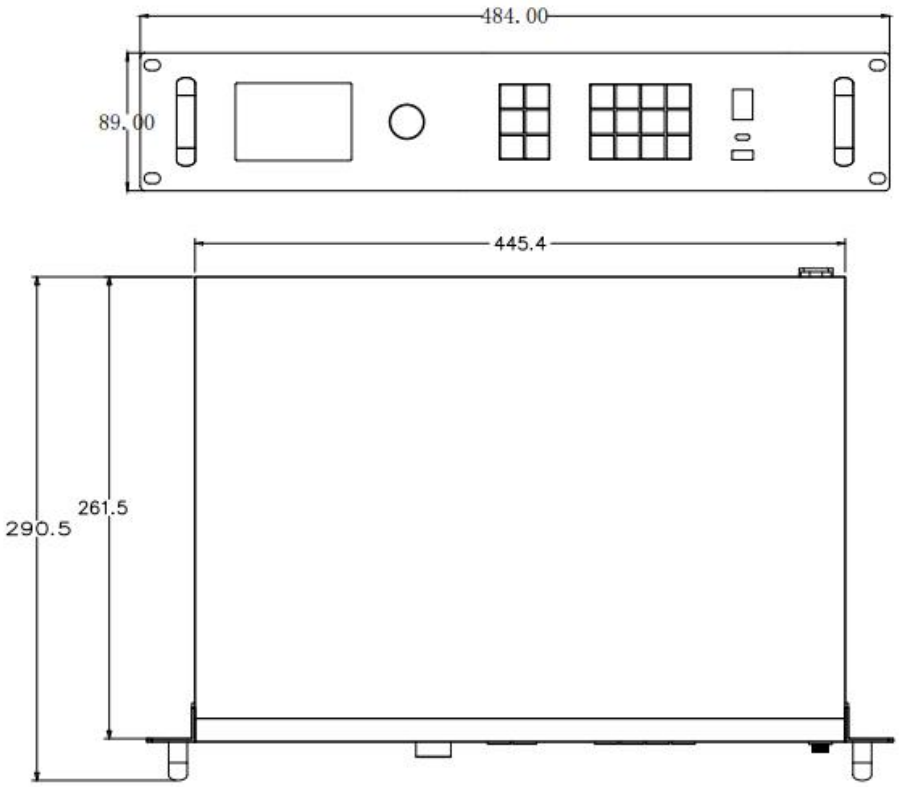
10	SDI1/1 ABC	SDI1 Input/Number1/letter ABC
11	SDI2/2 DEF	SDI2 Input/Number2/letter DEF
12	HDMI1/3 GHI	HDMI1 Input/Number3/letter GHI
13	HDMI2/4 JKL	HDMI2 Input/Number4/letter JKL
14	HDMI3/5 MNO	HDMI3 Input/Number5/letter MNO
15	HDMI4/6 PQR	HDMI4 Input/Number6/letter PQR
16	HDMI5/7 STU	HDMI5 Input/Number7/letter STU
17	HDMI6/8 VWX	HDMI6 Input/Number8/letter VWX
18	DP/9 YZ	DPInput/Number9/letterYZ
19	VGA/0/+-	VGAInput/Number0/+-
20	DVI/*/	DVIInput/*/
21	Power Switch	Turn on/off power
22	CTRL port	For setup
23	USB port	USB for update

Back

Dimensions



No	Interface	Function
1	LED OUT	40 outputs for connecting receivers, up to 650 thousand pixels each port
2~10	Video Input	· 2x3G-SDI(optional) 1920x1080@60Hz; · 4xHDMI1.3:up to 1920x1200@60Hz, customize resolution supported · 1xVGA:up to1920x1080@60Hz, customize resolution supported · 1xDVI:up to1920x1080@60Hz, customize resolution supported · 1xDP:up to 4096x2160@60Hz or 7680x1080@60Hz, customize resolution supported · 2xHDMI2.0:up to 4096x2160@60Hz or 7680x1080@60Hz, customized supported
11	Monitor	Preview output(just for setup)
12	AUDIO_OUT	Audio output
13	AUDIO_IN	Audio input
14	CTRL	Network port for setup
15	Extend	Reserved



Specifications

Power	Input	AC 100-240V，50/60Hz
	Power consumption	20W
Working Environment	Temp	-20℃ ~ 70℃
	Hum	0%RH ~ 95%RH
Dimensions	Weight	4.6kg
	Dimensions	484mm×290.5mm×89mm

Declaration

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