



Y8

Two-in-one Video processor

Specifications

V1.3

Revision History

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

Overview

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

Y8-406	4layers, 6ports, up to 3.9 million
Y8-410	4layers, 10ports, up to 6.5 million
Y8-412	4layers, 12ports, up to7.8 million
Y8-416	4layers, 16ports, up to10.4 million
Y8-420	4layers, 20ports, up to13 million
Y8-614	6layers, 14ports, up to 9.1 million
Y8-620	6layers, 20ports, up to13 million
Y8-628	6layers, 28ports, up to18.2 million
Y8-634	6layers, 34ports, up to 22.1 million
Y8-640	6layers, 40ports, up to 26 million

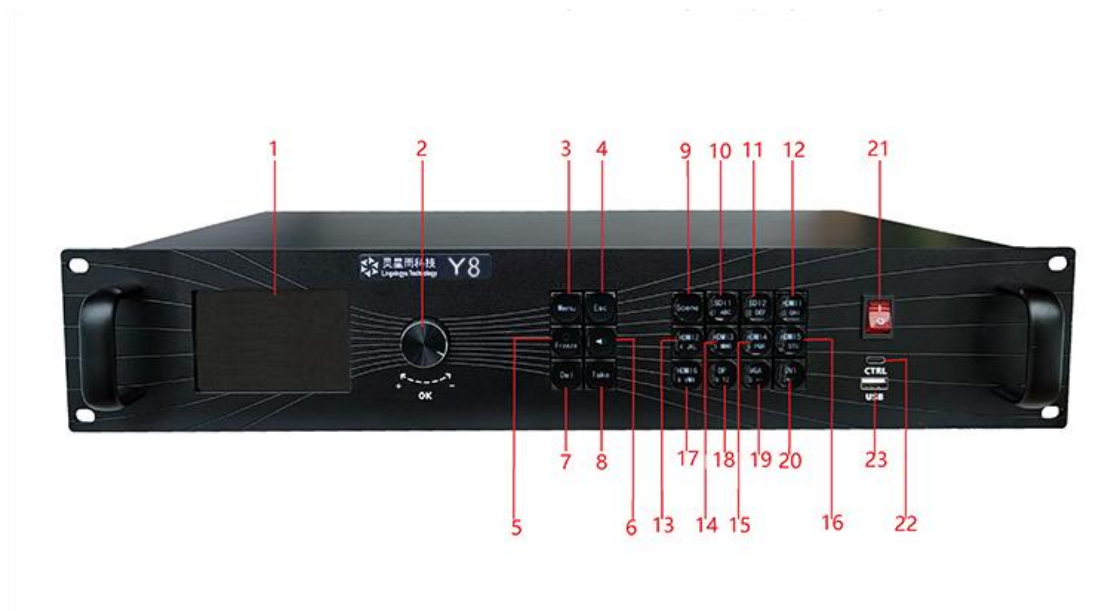
Functions and features

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 scaling
5. Multi layers supported and can be positioned randomly
6. Review output
7. Scene can be preset
8. Supports EDID management
9. Setup via LAN or type-c port
10. Supports schedule setup
11. License approval
12. Output detection

Appearance



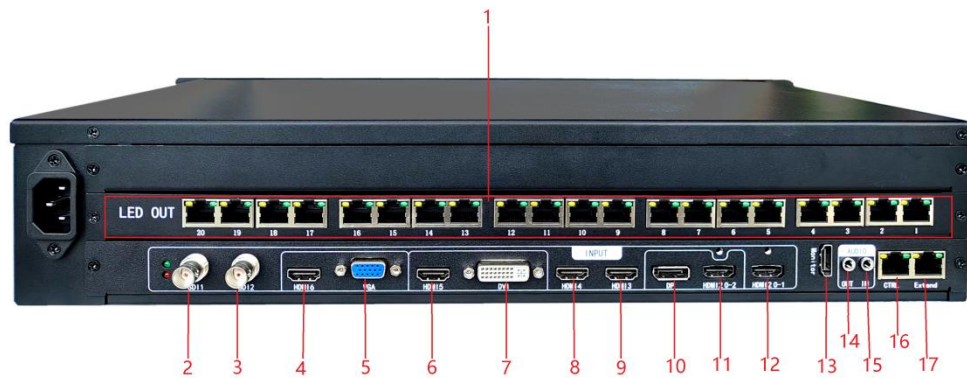
Front



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

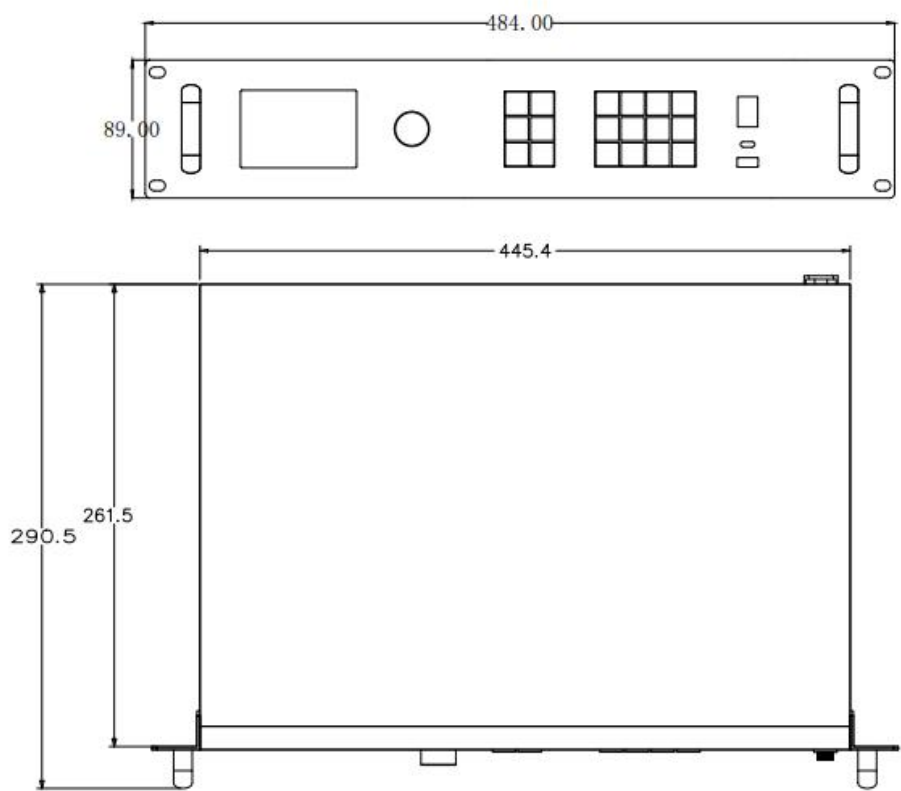
6	Audio	Press to setup audio
7	Del	Delete
8	Take	Confirmation button for scene
9	Scene	Fast entry for scene
10	SDI1/1 ABC	SDI1 Input/Number1/letter ABC
11	SDI2/2 DEF	SDI2 Input/Number2/letter DEF
12	HDMI1/3 GHI	HDMI1 Input/Number3/letter GHI
13	HDMI2/4 JKL	HDMI2 Input/Number4/letter JKL
14	HDMI3/5 MNO	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



No	Interface	Function
1	LED OUT	20 outputs for connecting receivers, up to 650 thousand pixels each port
2~12	Video Input	<ul style="list-style-type: none"> · 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
13	Monitor	Preview output
14	AUDIO_IN	Audio input(reserved)
15	AUDIO_OUT	Audio output(reserved)
16	CTRL	Network port for setup
17	Extend	Reserved

Dimensions



Specifications

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