

L3 PRO

Multi Source Live Stream Switcher

All-in-one You Need, Faster Live Production



10
Inputs



5 Video
Channels



2* HDMI
Out



Audio
Mixing



UVC & RTMP(S)
Streaming



PTZ
Control



Record &
Playback



Chroma
Key



16 Transition
Effects



8 PIP
Modes

>> KEY FEATURES

- Supports 9+1 input sources (4*3G-SDI + 4*HDMI + USB--extend UVC camera, playback/media library)
- 2*HDMI outputs easy to connect external display for PGM and MULTI-PVW monitoring
- T-Bar easily switch the transition effects and signal sources, up to 16 transition effects
- USB2.0 real-time recording and supports playback
- Joystick and Zoom key for effortless PTZ control
- USB-C or RTMP (S) fast to live streaming
- Embedded & Insert Audio with Sync
- Up to 7-channel audio mixing
- 8 PIP modes, support size/position custom adjustment, scale & crop
- Green or blue background Chroma key, create a professional virtual studio
- 6 Script assignable keys to record full sets of operation commands
- Remote control via PC control software (NexSwitch)

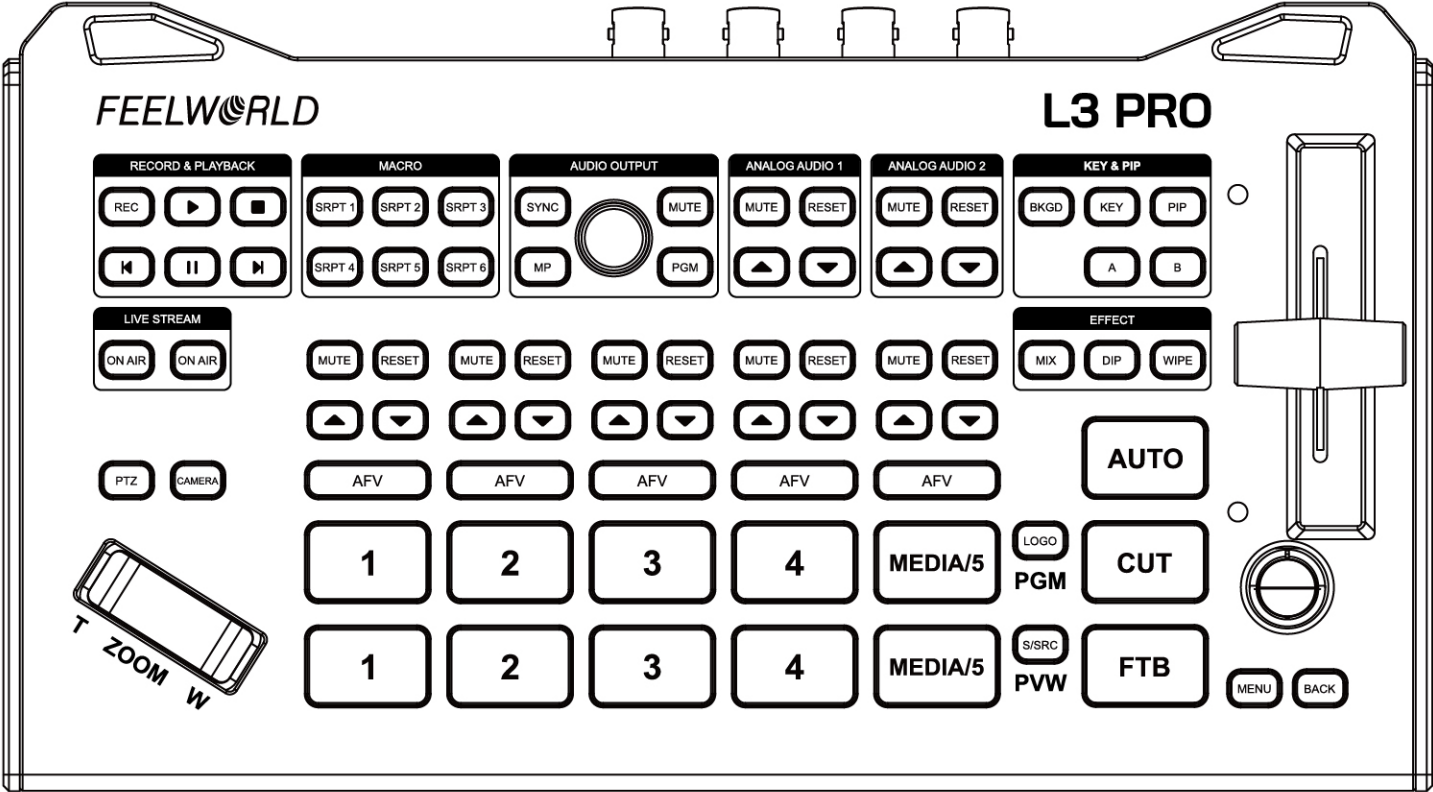
>> FLEXIBLE POWER SUPPLY



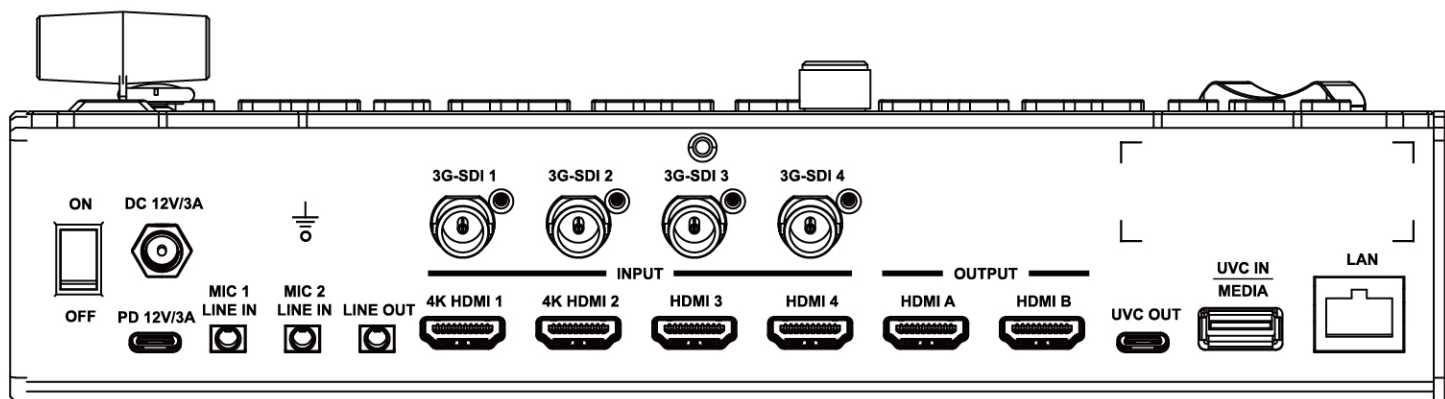
>> PARAMETER

Description	Multi-cam Video Mixer/Switcher	
Model No.	L3 PRO	
Input	4*SDI	
	2*4K HDMI , 2*2K HDMI	
Output	2*HDMI	
	1*UVC (Streaming)	
Communication	LAN 1*RJ45 (for PTZ control , RTMP(S) streaming and NDI function for optional)	
Audio Input	MIC/LINE IN 2×3.5mm mini-Jack	
Audio Output	Line out 1×3.5mm mini-Jack	
Power Input	1× DC, 1×USB-C	
Other Interface	USB2.0	1.Recording 2. connect the expanding device such as PTZ 3.Media file 4. Firmware update/LOGO pic/Background pic/Stream address
Input Resolutions	HDMI	1280×720@50/59.94/60 1024×768@60 1280×768@60 1280×800@60 1280×1024@60 1360×768@60 1366×768@60 1440×900@60 1600×1200@60 1680×1050@60 1920×1200@60 1920×1080i@50/59.94/60 1920×1080p@23.98/24/25/29.97/30/50/59.94/60 3840×2160p@30/50/60 4096x2160@30/50/60
	SDI	720p@50/60 1080i@50/59.94/60 1080p@23.98/24/25/29.97/30/50/59.94/60
Output Resolutions	HDMI	1280×720@60 1920×1080@30/60
	USB	1080P@60
Supported Standards	HDMI 2.0/1.3	
	USB 3.X	
	ITU-T H.265/ ISO/IEC 23008-2	
Video	Video Formats	HDMI 2.0 HDCP 2.2 & HDMI 1.4 HDCP 1.4
	Grayscale Processing	10bit
	Video Sampling	RGB 4:4:4 or YUV 4:4:4/4:2:2/4:2:0
	Color Range	0~255 16~235
	Network Port Streaming	Support 4ch streaming simultaneously
	Network Port Streaming Bitrate	CBR 16Mbps
	Video Latency	<3 frames
Audio	Line In Delay	8 frames
	Audio Mixing	Supports maximum of 7ch audio mixing
	Audio Format	HDMI, USB (streaming), Record
PTZ control	Maximum support for controlling 4 PTZ units via the keyboard	
Record/Storage	Record Formats	MP4
	USB disk Formats	FAT32(≤64 GB) exFAT(64GB~2T)
Playback/Media(Video)	MP4 AVI	
Playback/Media(Picture)	BMP PNG	
USB3.0 (Stream)	YUY2 & MJPEG Support for Windows Android Linux macOS system	
	UVC 1.0 UAC 1.0	
Power Voltage/Current	"DC 12V/3A;	
	USB (PD)3.0 12V/3A"	
Max Power	30W	
working Temperature	0°C~45°C	
Humidity	10%~85%	
Unit Size	261x144x70.69mm	
Unit Weight	about 1kg	

>> PRODUCT OVERVIEW

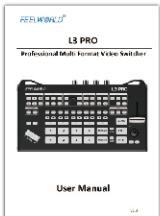


Area	Button	Instruction
Record & Playback	REC	Recording Key
		Play Key
		Stop Key
		Play Previous Video
		Pause Key
		Play Next Video
MACRO	SRPT1~SRPT6	You can pre-store the settings of buttons and menus as 6 groups, and quickly call the saved settings with one click
AUDIO OUTPUT		Adjust the Volume
	SYNC	Control the volume of MP and PGM simultaneously
	MUTE	Mute Key
	MP	When SYNC is turned off, select MP and set the volume of MP
	PGM	When SYNC is turned off, select PGM and set the volume of PGM
ANALOG AUDIO	MUTE	Mute Key
	RESET	Restore system default audio settings
		Increasing the audio level (will not active when at the highest level)
		Decreasing the audio level(will not active when at the lowest level)
KEY & PIP	BKGD	Background Signal Source Selection
	KEY	KEY ON/OFF
	PIP	PIP ON/OFF
	A	After enabling the KEY/PIP function, you can select layer A to make it adjustable and switchable
	B	Select Layer B to switched or adjusted
LIVE STREAM	ON AIR	When the device imported RTMP streaming address, press it to live stream.(the two ON AIR buttons on the panel correspond to 1,2 ON AIR in the menu)
AUDIO INPUT CONTROL	MUTE	Mute ON/OFF
	RESET	Restore system default audio settings
		Increasing the audio level (will not active when at the highest level)
		Decreasing the audio level(will not active when at the lowest level)
	AFV	Audio follow video switching
EFFECT	MIX	Mix transition
	DIP	Dip transition
	WIPE	Wipe transition
PTZ / UVC Camera Control	PTZ	Press it to enter PTZ control
	CAMERA	Press it to enter UVC camera
	T--ZOOM--W	Zoom in/out
		5-Direction Joystick 1. left-right-up-down 4 directions to rotate direction of PTZ, press middle to confirm auto focus 2. left-right-up-down 4 directions rotate direction of UVC camera
PGM	1~5	PGM output signals
PVW	1~5	1~5 PVW preview signals
/	LOGO PGM	Logo overlay
/	S/SRC PVW	When in the PVW , one key access to the View function
/	AUTO	Auto transition
/	CUT	Press it to switch the signal from PVW to PGM directly
/	FTB	Fade to Black
/	T-BAR	Manual switch signal and transition, push to top end or bottom end to switch signal to PGM. T-Bar is not at end position input switch will fail
MENU OPERATION	MENU	Main menu
	BACK	Menu return
		5-Direction Joystick
		left-right-up- down 4 directions menu selection Press middle to confirm auto focus



Interface	Instruction
	Power ON/OFF
DC 12V/3A	DC power input, you can use the standard 12V/3A power adapter
PD 12/3A	USB-C power input,, connect to PD power adapter
MIC1 LINE IN	Connect to microphone, smartphone, computer or audio console
MIC2 LINE IN	Connect to microphone, smartphone, computer or audio console
LINE OUT	Audio out, connect to speaker/headphone
⏏	Ground screw
3G-SDI 1~3G-SDI 4	3G-SDI signal inputs
4K HDMI 1~4K HDMI 2	4K HDMI signal inputs
HDMI 3~HDMI 4	2K HDMI signal inputs
HDMI A~HDMI B	HDMI signal outputs
	HDMI A is for multi-view operation interface
	HDMI B is for PGM output
UVC OUT	USB-C streaming port
UVC IN MEDIA	1. Recording
	2. Connect the expanding device such as PTZ
	3. Media file
	4. Firmware update/LOGO pic/Background pic/Stream address import
LAN	Communication Port

>> PACKAGING LIST

			
Switcher	3A Power Adapter	Dual port USB/Type-C Cable	Quick Start Guide

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

CE **FC**



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