

Specifications

Numbers of input and output channels	Inputs	MIC/LINE (mono)	4	
		LINE (stereo)	4	
	Outputs	AUX SEND (mono)	2	
		MASTER (stereo)	1	
		MONITOR (stereo)	1	
		SUB-OUT (stereo)	1	
Inputs	MIC/LINE	Connectors	4 XLR/TRS combo jacks (XLR: 2 HOT, TRS: TIP HOT)	
		Input gain	Adjustment unnecessary (dual A/D converter circuits used)	
		Input impedance	XLR: 3.8 kΩ or more TRS: 18 kΩ or more (when Hi-Z off) / 1 MΩ or more (when Hi-Z on)	
		Maximum input level	XLR: +4 dBu TRS: +24 dBu	
		Phantom power	+48 V Channel total 20 mA or less	
	LINE	Connectors	8 TS phone jacks	
		Input impedance	30 kΩ or more	
		Maximum input level	+4 dBu (when PAD is 0 dB) +24 dBu (when PAD is -20 dB)	
	Outputs	AUX SEND	Connectors	2 TRS phone jacks (impedance balanced)
			Maximum output level	+9.5 dBu
Output impedance			147 Ω	
MASTER		Connectors	2 TRS phone jacks (balanced)	
		Maximum output level	+15 dBu	
		Output impedance	147 Ω	
MONITOR / SUB-OUT		Connector	TRS phone jack	
		Maximum output level	50 mW + 50 mW (63 Ω load)	
		Output impedance	14.7 Ω	
Buses	MASTER		1	
	SUB-MIX		1	
	AUX SEND		2	

	SEND EFX	1
Channel strip	EQ	
	HIGH	10 kHz, ±15 dB, shelving
	MID	100 Hz – 8 kHz, ±15 dB, peaking
	LOW	100 Hz, ±15 dB, shelving
Level meters		6 segments
Send effects		6 types
Recorder	Maximum simultaneous recording tracks	14
	Maximum simultaneous playback tracks	14
	Recording formats	48kHz, 32-bit float, mono/stereo WAV
	Recording media	microSDHC memory cards (Class 10 or higher) microSDXC memory cards (Class 10 or higher) See the ZOOM website (zoomcorp.com/help/l6max) for information about microSD cards that have been confirmed to work with this unit. https://zoomcorp.com/help/l6max
Display		128×64 OLED
Audio interface	Numbers of inputs and outputs	Input: 14 channels Output: 4 channels
	Sampling frequency	48 kHz
	Bit depth	32-bit float / 24-bit
	Interface	USB 2.0
Card reader	Class	Mass storage class USB 2.0 High Speed
Sampling frequency		48 kHz
Frequency response		20 Hz – 20 kHz, –1.0 dB / +0.5 dB
Equivalent input noise		–120 dBu or less (IHF-A) at 150Ω input
Power		4 AA batteries (alkaline, lithium, or rechargeable NiMH) AC adapter (ZOOM AD-17): DC 5V/1A • USB bus power is supported.

Estimated continuous recording time using batteries	14-track recording, phantom power off, headphones used (63Ω load), no MASTER output connections	Alkaline batteries: about 1.5 hours NiMH batteries (1900 mAh): about 2.5 hours Lithium batteries: about 5 hours
• These values are approximate.		
• Continuous battery operation times were determined using in-house testing methods. They will vary greatly according to use conditions.		
Power consumption		5 W maximum
Dimensions		284 mm (W) × 114 mm (D) × 46.5 mm (H)
Weight (main unit only)		673 g
Weight (including batteries)		767 g

Note: 0 dBu = 0.775 Vrms