


Specifications

Input and output channels	Inputs	Mic capsule	1
		MIC/LINE (mono)	4
	Outputs	LINE OUT	1
		Headphone	1
		Built-in speaker (mono)	1
Inputs	XY mic (XYH-5s)	90° XY stereo format	
		Pickup pattern	Unidirectional
		Sensitivity	−41 dB/Pa at 1 kHz
		Maximum sound pressure input	140 dB SPL
	 /LINE IN (XYH-5s)	Connector	1 stereo mini jack
		Input gain	−∞ – +60 dB
		Input impedance	2 kΩ or more
	MIC/LINE (mono)	Connector	4 XLR/TRS combo jacks (XLR: 2 HOT, TRS: TIP HOT)
		Input gain	−∞ – +60 dB
		Input impedance	MIC: 3 kΩ or more LINE: 3 kΩ or more
		Maximum input level	MIC: +4 dBu LINE: +24 dBu
		Phantom power	+48 V
		Equivalent input noise	−127 dBu or less (IHF-A) at 150Ω input
Outputs	LINE OUT	Connector	1 stereo mini jack
		Maximum output level	+1 dBu
		Output impedance	110 Ω or less
	Headphone	Connector	1 stereo mini jack
		Maximum output level	20 mW + 20 mW (when 32 Ω load)
		Output impedance	10 Ω or less
	Built-in speaker	Type	20 mm × 30 mm elliptical dynamic speaker
		Effective maximum output	250 mW
Recorder		Maximum simultaneous recording tracks	8

		Maximum simultaneous playback tracks	6
		Recording formats	WAV 44.1/48/96/192 kHz 16-bit/24-bit/32-bit float mono/stereo BWF and iXML formats supported
		Recording media	microSDHC memory cards microSDXC memory cards See the ZOOM website (zoomcorp.com/help/h6studio) for information about microSD cards that have been confirmed to work with this unit.
Display			2.00" full-color LCD (320 × 240)
USB	Connector		USB Type-C • Use a USB cable that supports data transfer. USB bus power is supported.
		Audio interface	USB 2.0 High Speed
		Input and output channels	6 in / 2 out (Multi) 2 in / 2 out (Stereo)
		Sampling frequencies	44.1/48/96 kHz (audio interface only) 44.1/48 kHz (audio interface + onboard recording)
		Bit depths	24-bit, 32-bit float
	File transfer		USB 2.0 High Speed
Remote			Dedicated wireless adapter (ZOOM BTA-1)
Power			4 AA batteries (alkaline, lithium or rechargeable NiMH batteries) AC adapter (ZOOM AD-17): DC 5V/1A • USB bus power is supported.
Estimated continuous operation times using batteries • These values are approximate. • Continuous battery operation times were determined using in-house testing methods. They will vary greatly according to use conditions.		2-track (XYH-5s) recording at 48 kHz/32-bit float with phantom power off, no headphones, no LINE OUT, no REMOTE, Power Saving on, Display Brightness Medium	Alkaline batteries: about 15 hours NiMH batteries (1900 mAh): about 12 hours Lithium batteries: about 26 hours

	6-track (XYH-5s and INPUTS 1–4) recording at 48 kHz/32-bit float with phantom power off, headphones used (33Ω load), no LINE OUT, no remote, Power Saving On, Display Brightness Medium	Alkaline batteries: about 4.5 hours NiMH batteries (1900 mAh): about 5 hours Lithium batteries: about 11 hours
	6-track (XYH-5s and INPUTS 1–4) recording at 192 kHz/32-bit float with phantom power on (INPUTS 1–4), headphones used (33Ω load), LINE OUT used (10 kΩ load), remote used (BTA-1), Power Saving On, Display Brightness Bright	Alkaline batteries: about 2 hours NiMH batteries (1900 mAh): about 3 hours Lithium batteries: about 6.5 hours
Power consumption	5 W maximum	
Dimensions	83.0 mm (W) × 221.0 mm (D) × 54.5 mm (H)	
Weight (including batteries)	477 g	

Note: 0 dBu = 0.775 Vrms