

RECORDING MEDIA

Dual SD card slot supports:	16 MB – 2 GB SD cards 4 GB – 32 GB SDHC cards 64 GB – 512 GB SDXC cards
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INPUTS 1-4

Connectors:	XLR/TRS combo jacks (XLR: 2 hot, TRS: TIP hot)
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INPUTS: XLR (MIC)

Input gain:	+10 – +75 dB
Input impedance:	3.0 k Ω or more
Maximum input level:	+14 dBu (at 0 dBFS, limiter ON)
Phantom power:	+24/+48V 10mA maximum for each channel

INPUTS: TRS (LINE)

Input gain:	-10 – +55 dB
Input impedance:	22 k Ω or more
Maximum input level:	+24 dBu (at 0 dBFS, limiter ON)

INPUTS: ADDITIONAL INFO

Equivalent input noise:	-127 dBu or less (A-weighted, +75 dB input gain, 150 Ω input)
Frequency characteristics:	10 Hz – 80 kHz +0.5 dB/-1.5 dB (192 kHz sampling rate)
A/D dynamic range:	120 dB typ (-60 dBFS input, A-weighted)
Crosstalk:	-90 dB or less (between adjacent channels, 1 kHz)
MIC IN:	ZOOM mic capsule input (use disables Inputs 5/6)

RTN IN

Connectors:	3.5 mm stereo mini unbalanced output jack
Reference input level:	+10 dBV (Level: -10 dBV setting), +4 dBu (Level: +4 dBu setting)
Input impedance:	10k Ω or more
Maximum input level:	-10 dBV (Level: -10 dBV setting) +24 dBu (Level: +4 dBu setting)

OUTPUTS: MAIN OUT 1/2

Connectors:	XLR balanced output (2: hot)
Output impedance:	150 Ω or less
Reference output level:	-10 dBV, 1 kHz, 600 Ω load
Maximum output level:	+10 dBV, 1 kHz, 600 Ω load

OUTPUTS: SUB OUT 1/2

Connector:	3.5 mm stereo mini unbalanced output jack
Output impedance:	1k Ω or less
Reference output level:	-10 dBV (Normal Output Type), -40 dBV (Mic Output Type), 1 kHz, 10k Ω load
Maximum output level:	+10 dBV (Normal Output Type), -20 dBV (Mic Output Type), 1 kHz, 10k Ω load

HEADPHONE

Connector:	1/4" unbalanced stereo output jack
Output impedance:	15 Ω or less
Maximum output level:	100 mW + 100 mW (32 Ω load)

D/A

D/A dynamic range:	106 dB typical (-60dBFS input, A-weighted)
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RECORDING FORMATS: WHEN WAV SELECTED

RECORDING MEDIA

Supported formats:	44.1/47.952/48/48.048/88.2/96/192kHz, 16/24-bit, mono/stereo/2-10 ch poly, BWF and iXML
Maximum simultaneous recording tracks:	8 (6 Inputs + L/R MIX recording at 192kHz sampling rate)

RECORDING FORMATS: WHEN MP3 SELECTED

Supported formats:	128/192/320 kbps, 44.1/48 kHz, ID3v1 tags
Maximum simultaneous recording tracks:	2

RECORDING TIME

Using a 32 GB card:	30:51:00 (48 kHz/24-bit stereo WAV) 7:42:00 (192 kHz/24-bit stereo WAV)
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TIME CODE

Connector:	BNC
Modes:	Off, Int Free Run, Int Record Run, Int RTC Run, Ext, Ext Auto Rec (audio clock can be synchronized to timecode)
Frame rates:	23.976ND, 24ND, 25ND, 29.97ND, 29.97D, 30ND, 30D
Precision:	±0.2 ppm
Supported input levels:	0.2 – 5.0 Vpp
Input impedance:	4.3k Ω or more
Output level:	3.0 Vpp ±10%
Output impedance:	50 Ω or less

POWER SUPPLIES

Batteries:	8 AA
AC adapter:	Zoom AD-19 DC12V 2A (center plus) via DC-HIROSE cable adapter (both included)
External DC power supply:	HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9–16 V

CONTINUOUS RECORDING TIME: WHEN RECORDING 2 CHANNELS AT 48 KHZ/16-BIT WITHOUT HEADPHONES

Alkaline batteries:	9.5 hours or more
NiMH (2450mAh):	11.5 hours or more
Lithium batteries:	17.5 hours or more

CONTINUOUS RECORDING TIME: WHEN RECORDING 8 CHANNELS AT 48 KHZ/24-BIT WITH HEADPHONES

Alkaline batteries:	9 hours or more
NiMH (2450mAh):	10.5 hours or more
Lithium batteries:	16.5 hours or more

CONTINUOUS RECORDING TIME: WHEN RECORDING 8 CHANNELS AT 192 KHZ/24-BIT WITH HEADPHONES, PHANTOM POWER, AND DISPLAY BACKLIGHTING

Alkaline batteries:	2 hours or more
NiMH (2450mAh):	3.5 hours or more
Lithium batteries:	6 hours or more

DISPLAY

	1.9" monochrome LCD with white backlight
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USB: MASS STORAGE OPERATION

Class:	USB 2.0 High Speed
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USB: MULTITRACK AUDIO INTERFACE OPERATION (DRIVER REQUIRED FOR WINDOWS, NOT REQUIRED FOR MAC)

Class:	USB 2.0 High Speed
Specifications:	44.1/48/96 kHz, 16/24-bit, 6-in/4-out

RECORDING MEDIA

USB: STEREO MIX AUDIO INTERFACE OPERATION (NO DRIVER REQUIRED)

Class:	USB 2.0 High Speed
Specifications:	44.1/48 kHz, 16-bit, 2-in/2-out
	Note: iPad audio interface operation supported (Stereo Mix mode only)

EXTERNAL DIMENSIONS

Main unit:	7.0 in. (W) × 5.5 in. (D) × 2.1 in. (H)
	177.8 mm (W) × 141.1 mm (D) × 54.3 mm (H)

WEIGHT

Main unit only:	2.27 pounds (1030g)
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