

Zoom F8 Technical Specifications

- **Recording Media:** Dual SD card slots support 16MB-2GB SD cards, 4GB-32GB SDHC cards, and 64GB-512GB SDXC cards
- **Inputs:**
 - **Inputs 1 to 8:** XLR/TRS combo jacks (XLR: 2 hot) (TRS: TIP hot)
 - **XLR Input Gain:** +10dB to +75dB
 - **XLR Input Impedance:** 3.3k Ohms
 - **XLR Max. Input Level:** +14dBu (at 0dBFS, limiter ON)
 - **Phantom Power:** +24V/+48V 10mA maximum for each channel
 - **TRS Input Gain:** -10dB to +55dB
 - **TRS Input Impedance:** 28k Ohms
 - **TRS Max. Input Level:** +24dBu (at 0dBFS, limiter ON)
 - **Equivalent Input Noise:** -127dBu or less (A-weighted, +75dB input gain, 150 Ohm input)
 - **Frequency Characteristics:** 10Hz to 80kHz, +0.5dB/-1dB (192kHz sampling rate)
 - **A/D Dynamic Range:** 120dB typ. (-60dBFS input, A-weighted)
 - **Crosstalk:** -90dB or less (between adjacent channels, 1kHz)
 - **Mic IN:** ZOOM mic capsule input (using this disables inputs 1 and 2)
 - **Slate Mic:** Built-in mic for voice memos can be assigned to tracks freely
- **Main Output 1/2:**
 - **Connectors:** TA3 connectors, balanced output (2: hot)
 - **Output Impedance:** 150 Ohms or less
 - **Reference Output Level:** 1kHz, 600 Ohm load
 - **Normal Output Level:** -10dBV
 - **Mic Output Level:** -40dBV
 - **Maximum Output Level:** 1kHz, 600 Ohm load
 - **Normal Output Level:** +10dBV
 - **Mic Output Level:** -20dBV
- **Sub Output 1/2:**
 - **Connectors:** 3.5mm stereo mini unbalanced output jacks
 - **Output Impedance:** 100 Ohms or less
 - **Reference Output Level:** 1kHz, 10k Ohm load
 - **Normal Output Level:** -10dBV
 - **Mic Output Level:** -40dBV
 - **Maximum Output Level:** 1kHz, 10k Ohm load
 - **Normal Output Level:** +10dBV
 - **Mic Output Level:** -20dBV
- **Headphone Output:**
 - **Connector:** 1/4" unbalanced stereo output jack
 - **Output Impedance:** 15 Ohms or less
 - **Maximum Output Level:** 100mW + 100mW (32 Ohm load)
- **Output D/A Dynamic Range:** 106dB typ. (-60dBFS input, A-weighted)
- **Recording Formats:**
 - **When WAV Selected:**
 - **Supported Formats:** 44.1 / 47.95 / 48 / 48.048 / 88.2 / 96 / 192kHz, 16 / 24-bit, mono / stereo / 2-10cg poly, BWF and iXML
 - **Max. Simultaneous Recording Tracks:** 10 (8 inputs + stereo mix), 8 (at 192kHz sampling rate)
 - **When MP3 Selected:**
 - **Supported Formats:** 128 / 192 / 320kbps, 44.1 / 48kHz, ID3v1 tags
 - **Maximum Simultaneous Recording Tracks:** 2
- **Recording Time:**
 - **Using a 32GB Card:**
 - **48kHz / 24-bit Stereo WAV:** 30:51:00

- **192kHz / 24-bit Stereo WAV:** 07:42:00
- **Timecode:**
 - **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:** +/-0.2ppm
 - **Supported Input Levels:** 0.2 - 5.0Vpp
 - **Input Impedance:** 4.6k Ohms
 - **Output Level:** 3.3Vpp
 - **Output Impedance:** 50 Ohms or less
- **Power Supplies:**
 - **Batteries:** 8 x AA
 - **AC Adapter:** AD-19 DC12V 2A (centre plus)
 - **External DC Power Supply:** HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +), 9 - 16V
- **Continuous Recording Time with Batteries:**
 - *When recording 2 channels at 48kHz / 16-bit to SD1 with MAIN/SUB OUT OFF, TIMECODE OFF, LED / LCD Brightness 5, 32 Ohm headphones, PHANTOM OFF:*
 - **Alkaline Batteries:** 8.5 hours or more
 - **NiMH (2450mAh):** 10 hours or more
 - **Lithium Batteries:** 12.5 hours or more
 - *When recording 8 channels at 48kHz / 16-bit to SD1 with MAIN/SUB OUT OFF, TIMECODE OFF, LED / LCD Brightness 5, 32 Ohm headphones, PHANTOM OFF:*
 - **Alkaline Batteries:** 4.5 hours or more
 - **NiMH (2450mAh):** 6 hours or more
 - **Lithium Batteries:** 8.5 hours or more
 - *When recording 8 channels at 192kHz / 24-bit to SD1 with MAIN/SUB OUT ON, TIMECODE Int Free Run, LED / LCD Brightness 60, 32 Ohm headphones, PHANTOM 48V:*
 - **Alkaline Batteries:** 1 hours or more
 - **NiMH (2450mAh):** 2 hours or more
 - **Lithium Batteries:** 3 hours or more
- **Display:** 2.4" full-colour LCD (320 x 240)
- **USB:**
 - **Class:** USB 2.0 high speed
 - **Multi Track Audio Interface Operation:** 44.1 / 48 / 88.2 / 96kHz sampling rate, 16 / 24-bit bit rate, 8-in / 4-out
 - **Stereo Mix Audio Interface Operation:** 44.1 / 48kHz sampling rate, 16-bit bit rate, 2-in / 2-out
 - **Audio Interface with Rec:** 44.1 / 48kHz sampling rate, 16 / 24-bit bit rate, 10-in / 4-out
- **Power Consumption:** 12W

- **External Dimensions:** 178.2mm x 140.3mm x 54.3mm / 7" x 5.5" x 2.1" (W x D x H)
- **Weight:** 960g / 2.1lbs (main unit only)