

## Technical Specification

### 1. ZOOM H4N recording device

#### <STEREO Mode>

Simultaneous Recording Tracks: 2 Simultaneous Playback Tracks: 2 Functions: Lo-cut Filter, Compressor/Limiter, Mono Mix, M/SStereo Decoder, Auto-Rec, Pre-Rec, Tuner, Metronome, A-B Repeat, Variable Speed Playback, File Dividing, Normalize, MP3 Post-Encode, Marker ●Recording Format: WAV (Quantization: 16/24bit, Sampling Frequency: 44.1/48/96kHz), MP3 (Bit Rate: 48/56/64/80/96/112/128/160/192/224/256/320kbps/VBR, Sampling Frequency: 44.1kHz) ●Playback Format: WAV (Quantization: 16/24bit, Sampling Frequency: 44.1/48/96kHz), MP3 (Bit Rate: 32/40/48/56/64/80/96/112/128/160/192/224/256/320kbps/VBR, Sampling Frequency: 44.1/48kHz)

#### <4CH Mode>

●Simultaneous Recording Tracks: 4 ●Simultaneous Playback Tracks: 4 ●Functions: Lo-cut Filter, Compressor/Limiter, M/S Stereo Decoder, Auto-Rec, Pre-Rec, Tuner, Metronome, A-B Repeat, Normalize, Marker ●Recording Format: WAV (Quantization: 16/24bit, Sampling Frequency: 44.1/48kHz) ●Playback Format: WAV (Quantization: 16/24bit, Sampling Frequency: 44.1/48kHz)

#### <MTR Mode>

●Simultaneous Recording Tracks: 2 ●Simultaneous Playback Tracks: 4 ●Effect: 50 types, 2 Modules, 60 patches ●Functions: Tuner, Metronome, Punch-In/Out, Bounce ●Recording Format: WAV (Quantization: 16bit, Sampling Frequency: 44.1kHz) ●Playback Format: WAV (Quantization: 16bit, Sampling Frequency: 44.1kHz)

#### <STAMINA Mode>

●Simultaneous Recording Tracks: 2 ●Simultaneous Playback Tracks: 2 ●Functions: Lo-cut Filter, Auto-Rec ●Recording Format: WAV(Quantization: 16bit, Sampling Frequency: 44.1kHz) ●Playback Format: WAV(Quantization: 16bit, Sampling Frequency: 44.1kHz)

#### <Common Specs>

●A/D Conversion: 24bit, 128times oversampling ●D/A Conversion: 24bit, 128times oversampling ●Signal Processing: 32bit ●Recording Media: SD memory card (16MB - 2GB), SDHC memory card (4GB - 32GB) ●Display: 128 x 64pixel, 1.9-inch backlit LCD ●Balanced / Unbalanced Input: 2 x XLR-1/4" phone combo Jack ●Input Impedance: balanced input = 1k $\Omega$  balanced / pin 2 hot, unbalanced input = 480k $\Omega$  unbalanced ●Input Level: balanced input = -10 to -42dBm, unbalanced input = +2 to -32dBm ●Phantom Power Supply: 48V, 24V, OFF ●Built-in Stereo Mic: Unidirectional condenser microphone (Gain: +7 to +47dB) ●External Mic Input: 1/8" stereo phone jack (Plug-in powered, Input impedance: 2k $\Omega$ , Input level: -7 to -47dBm) ●Phones / Line Output: 1/8" stereo phone jack ●Output Load Impedance: 10k $\Omega$  or more ●Rated Output Level: -10dBm ●Phones Output Level: 20mW + 20mW into 32 $\Omega$  load ●Built-in Speaker: 400mW 8 $\Omega$  ●Phantom Power: 48V, 24V, OFF ●USB Interface: Mini-B type (USB2.0 High Speed compatible), Mass Storage Class operation / Audio Interface operation (16bit, 44.1kHz / 48kHz) ●Power Requirements: AA size (LR6) battery x 2, or AC adaptor (DC5V/1A/center plus) ●Battery Life (with alkaline batteries): 6 hours (Normal mode), 11 hours (Stamina mode) ●Dimensions: 70(W) x 156.3(D) x 35(H)mm ●Weight: 280g (without batteries)

### 2. Included Accessories

- SD Memory card (2GB)
- Wind Screen
- Mic Clip Adaptor
- AC Adaptor
- USB cable
- Protective case