Specifications - Zoom R24

[Recorder]

- **Physical Tracks:** 24
- **Simultaneous Recording Tracks:** 8
- **Simultaneous Playback Tracks:** 24
- **Recording Data Format:** 44.1/48kHz, 16/24bit WAV
- **Maximum Recordable Time:** 200 minutes / GB (44.1kHz 16-bit, mono tracks)
- **Projects:** 1,000
- **Markers:** 100 / Project
- **Locator:** Hours / Min. / Sec. / msec or Bars / Beats / Ticks
- **File Editing:** Divide, Trim
- **Other Functions:** Punch-In / Out (Manual, Automatic), Bounce, A-B Repeat, Undo / Redo, Metronome

[Audio interface]

- **Input Channels:** 8
- **Output Channels:** 2
- **Quantization:** 24bit
- **Sampling Frequency:** 44.1, 48, 88.2, 96kHz

[Mixer]

- **Faders:** 9
- **Level Meters:** 4-Segment LED
- **Track Parameters:** 3-Band Equalizer, Pan (Balance), Effect Send x 2, Invert
- **Stereo Links Track pairs:** 1/2 to 23/24 selectable

[Effects]

- **Algorithms:** 9 (CLEAN, DISTORTION, ACO / BASS SIM, BASS, MIC, DUAL MIC, STEREO, 8 x COMP EQ, MASTERING)
- **Types:** 150
- **Modules:** 7 for Insert, 2 for Send / Return
- **Patches:** 330 for Insert, 60 for Send / Return
- **Tuner:** Chromatic, Guitar, Bass, Open A/D/E/G, D modal

[Sampler]

- **Playback Data Format:** 44.1/48kHz, 16/24bit WAV
- **Voices:** 24
- **Editing Functions:** Trim, Time-stretch

[Hardware]

- **Recording Media:** SD Card (16MB-2GB), SDHC Card (4-32GB)
- **A/D Conversion:** 96kHz 24bit delta-sigma ADC
- **D/A Conversion:** 96kHz 24bit delta-sigma DAC
- **Display:** 128 x 64 pixel LCD (with backlight)
- **Inputs:** 8 x XLR-1/4"Phone Combo Jack / Input Impedance: (Balanced input) 1kΩ balanced, 2nd hot, (Unbalanced input) 50k? unbalanced, (Hi-Z Input) 470kΩ / Input Level: -50dBm to +4dBm continuously variable
- **Built-in microphones:** Omnidirectional condenser microphones Gain: -50dBm to +4dBm continuously variable
- **Phantom Power Supply:** 48V / 24V
- **Master Output:** 1/4"TRS Phone (balanced) / Output Impedance: 1k? / Rated Output Level: +4dBm
- **Headphones Output:** 1/4"Stereo Phone Jack, 20mW x 2 (at 32 load)

- **USB:** [B type (USB2.0 High-Speed compatible)] Audio Interface / Control Surface or Mass Storage Class operation [A type (USB2.0 High-Speed compatible)] USB Host capability
- **Power Requirements:** AC adaptor (DC5V/1A/center positive) or AA size (LR6) battery x6
- **Battery Life:** 4.5 hours (with backlight on and phantom power off)
- **Dimensions:** 376(W) x 237.1(D) x 52.2(H) mm
- **Weight:** 1.3kg (without batteries)

*0dBm=0.775Vrms