PMD-706 6-Channel DSLR Recorder

Key Features:

- 6-channel recording up to 96kHz/24-bit
- SD/SDHC/SDXC recording media
- (4) XLR/TRS combo jacks for MIC and LINE level inputs
- High Definition Discreet microphone preamps
- (2) 1/4" TRS jacks for LINE level inputs
- 48V phantom power for professional condenser microphones
- 5-position lo-cut filter, limiting function and M/S microphone decoding
- Dual-recording mode creates a duplicate track at a reduced level (safety track). Total of (3) safety tracks possible.
- 3.5mm stereo jack with plug-in power for consumer microphones
- DSLR camera mounting bracket
- Tripod mounting socket on bottom of recorder

Overview:

Designed for the advanced DSLR professional, this

Specifications:

- Connectors
  - (4) XLR+1/4" (6.35mm) inputs
  - (2) 1/4" TRS (6.35mm) inputs
  - (2) 1/8" (3.5mm) inputs
  - (3) 1/8" (3.5mm) outputs
  - (1) Micro-USB port, Type B
- Power
  - Via (4) AA batteries (Alkaline or NI-MH), USB bus power, or a USB adapter
  - Consumption: 2 W (with phantom power off), 4 W (with 6 channels and phantom power on)
  - Operating Temperature: 41 - 140°F / 5 - 60°C
  - Operating Humidity: 25 - 85%, non-condensing
- Battery Life: up to 5.5 hours (with phantom power off)
- Supported SD Media
  - SD card (64 MB - 2 GB)
  - SDHC card (4 - 32 GB)
  - SDXC card (48 - 128 GB)
- Recording Channels: 6-channels (stereo x 3, mono x 6), 4-channels in Dual Stereo mode, 4-channels max with 96 kHz sampling rate
- Recording Formats
  - WAV (44.1, 48, or 96 kHz; 16- or 24-bit)
  - BWF (44.1, 48, or 96 kHz; 16- or 24-bit)
- Recording Modes: Mono, Stereo, Dual Mono, Dual Stereo, Mid/Side

6-channel recorder excels attached to a camera, camera rig, or while used in a bag as a field recorder. Featuring (4) XLR combo jacks for MIC & LINE level sources, and (2) ¼" TRS jacks for supporting LINE/MIC level, six high-quality audio tracks can be recorded at once. There is also a 3.5mm TRS input for extra versatility. Utilizing the Dual-Record function that creates a duplicate track at a reduced level, up to (3) 'safety tracks' can be created for critical applications. ¼" TRS to XLRF breakout cables included for connecting balanced mic cables to inputs 5 and 6.

The PMD-706 comes standard with file encryption ability to keep recordings safe from unauthorized access - offering the maximum security for sensitive information. This works by encrypting WAV files to WAS files. These encrypted files utilize a 4-digit password protection feature so that only those with the 4-digit key can open and play the files. To play encrypted files on a computer, use the DMP Mark Editor v2.0.0 software - available in the Downloads section.

Recording, Mix
- Audio Performance
  - Signal to Noise
    - 93 dB (Line In -> Line Out)
    - 88 - 90 dB (Mic In -> Line Out)
    - 93 dB (Ext In -> Line Out)
    - 93 dB (Camera In -> Line Out)
    - 92 dB (Line In -> Headphone Out)
    - 92 dB (Line In -> Camera Out)
  - Frequency Response: 20 Hz - 20 kHz (±1.0 dB)
  - Input Impedance: 2 kΩ
  - Phantom Power: 48V (±4V, 10 mA/channel), 24V (±4V, 10 mA/channel)
- Audio Channels
  - Inputs 1, 2, 3, 4 (set to MIC or MIC + phantom power)
    - Input Impedance: 4.7 kΩ
    - Maximum Input Level: -8 dBu
    - Mic Input Gain: +28 dB (Low), +47 dB (Mid), +59 dB (High), +64 dB (Hi Plus)
  - Inputs 1, 2, 3, 4, 5, 6 (set to LINE)
    - Input Impedance: 4.7 kΩ
    - Standard Input Level: 0 dBu
    - Maximum Input Gain: +12 dBu
    - Line Input Gain: +0 dB (Low), +10 dB (mid), +20 dB (High), +30 dB (Hi Plus)
  - External Inputs 1 & 2
    - Input Impedance: 10 kΩ
    - Maximum Input Level: -1 dBV
    - Low +9 dB, Mid +20 dB, High +35 dB, Hi Plus +45 dB
  - Camera Input
    - Input Impedance: 1 kΩ
    - Standard Input Level: -10 dBV
    - Maximum Input Level: +3 dBV
  - 1/8" (3.5mm) Line Output
    - Output Impedance: 1 kΩ
    - Maximum Output Level: +3 dBV
  - 1/8" (3.5mm) Camera Output
    - Output Impedance: 100 Ω
    - Maximum Output Level: -4 dBV
- Dimensions (width x depth x height): 4.3" x 6.5" x 2.0" (10.9 x 16.5 x 5.1 cm)
- Weight: 1.20 lbs (0.54 kg)