

NDT 200™



Compact portable DVR designed for video professionals in the remote broadcast, security, law enforcement, and government industries.

STANDARD FEATURES

- Scalable Motion JPEG Compression 4:1 to 20:1
- Analog Composite & S-Video (Y/C) I/Os
- Dual Channel Audio
- USB 2.0 **QuickTime™ Video File Transfer
- PC or MAC Viewable Video Files
- Loop Record
- 32-Character Video Clip Naming
- Discrete Access to Every Frame of Video
- Jog, Scan, and Scrub
- PC or MAC Control via USB 2.0
- Low Power Consumption
- Touch Pad & Soft Button Interface
- Large Push Button Controls
- One-Touch Access to Removable SATA Hard Drive
- Mini Headphone Jack
- NTSC or PAL User Selectable



SOFTWARE OPTIONS

- Time-Lapse Recording
- Variable Film Speed Playback
- External Trigger Input
- Pre-Event Record
- Time/Date & User Character Stamp

OPTIONAL ACCESSORIES

- SATA to USB 2.0 Adaptor for PC or MAC
- 120 GB SATA 2.5" Hard Drive
- 12 VDC Vehicle Power Adaptor
- Carrying Case
- AC/DC Power Supply
- USB Download / Control Cable

APPLICATIONS

- On-Location Sports
- Video Assist
- In-Vehicle Recording
- Portable Recording
- Field Tests and Inspections
- Airborne Recording/Playback
- OEM Integration

FV:03/20/09NDT

This ultra-compact, portable DVR meets the unique needs of freelance producers, outside broadcasters, video assist operators, surveillance and security organizations, video analysts, emergency "first response" teams, and law enforcement, government, and military agencies.

The perfect drop-in digital replacement for tape-based recording devices such as the Sony GVD200™, the NDT 200 simplifies operations with an intuitive user interface, and provides instant access to video recordings via the removable 2.5-inch SATA HDD or SSD drive or the on-board USB 2.0 port.

The NDT 200 combines a soft-button user interface with large push-button controls that make operations instinctive even for new users. All functions can be controlled from the unit or an external PC. Video clips are recorded in QuickTime™ for playback on PC or MAC.

Fast Forward Video

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A DVR Technology Company

VIDEO INPUT

Analog Input Levels Standards Connections Composite and S-Video (Y/C)
1 Vp-p, 75 Ohms
525/60 (NTSC) or 625/50 (PAL)
RCA / S-Video

VIDEO OUTPUT

Analog Output Horizontal Resolution Levels Standards Connections Composite and S-Video (Y/C)
550 TV Lines (at 5:1 Compression)
1 Vp-p, 75 Ohms
525/60 (NTSC) or 625/50 (PAL)
RCA / S-Video

VIDEO INPUT DECODER

Format Digital 4:2:2 YCrCb
60 Fields per second NTSC
50 Fields per second PAL
Digital Color Space YUV
Sampling 13.5 MHz
Pixel Resolution 720 x 486 pixels (525/60)
720 x 576 pixels (625/50)
S/N Ratio 50dB
7 MHz (-3dB)
Differential Gain 2%
Differential Phase 2 Deg
ADC Differential Linearity +/- 0.7 LSB
ADC Integral Linearity +/- 1.0 LSB

VIDEO OUTPUT ENCODER

Digital Color Space Analog Bandwidth Composite DAC Resolution S/N Ratio Digital 4:2:2 YCrCb
Y: 6.75 MHz
C: 1.3 MHz
4.5 MHz (NTSC)
5.0 MHz (PAL)
10 bits x 3
60 dB

VIDEO COMPRESSION

Method Compression Ratio JPEG
(Joint Photographic Experts Group)
Variable from 4:1 to 20:1

COMMUNICATION INTERFACE

RS-232 Interface Conforms to Sony Remote 9 Pin
USB Port: 2.0

HARD DRIVE

Maximum Hard Drive: 1 Removable
Supported Hard Drive: 2.5" SATA HDD or SSD Drive
Preferred SATA HDD Drive: Hitachi Cinema Star 2.5" - C5K320 (120GB)
Acceptable SATA HDD Drive: Hitachi Enhanced 2.5" - 0A55263 (120,250,320GB)
SSD Drive: Super Talent and RiData
Record Time: 4 to 20 minutes per GB

AUDIO SPECIFICATIONS

Resolution 16 bits
Sampling Rate 48 KHz
Channels 2 In, 2 Out
Dynamic Range 80 dB
Total Harmonic Distortion 22%, -73 db
Intermodulation Distortion 90dB
Crosstalk -80 dB
Interchannel Gain Mismatch +/- 0.5 dB
Input Voltage 1 VRMS Nominal, 3.0V p-p max
Input Impedance 20k Ohms

SOFTWARE

FFV DVR Master

GENERAL

Size 5.25"L x 5.15"W x 2"D
Input Voltage 7 to 40 Volts DC
Power Consumption 7 Watts
Operating Temperature 0c to 50c
Humidity 90% with no visible condensation

WARRANTY

1 Year



Specifications subject to change



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