

NDT 200



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

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
- Removable SATA Drive
- Mini Headphone Jack
- NTSC or PAL



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
- 120-500 GB SATA 2.5" Hard Drive
- 128 GB SATA 2.5" Solid State Drive (SSD)
- 12V DC Vehicle Power Adaptor
- Carrying Case
- AC/DC Power Supply
- USB Download / Control Cable

APPLICATIONS

- In-Vehicle Recording
- Portable Recording
- Field Tests and Inspections
- Airborne Recording/Playback
- OEM Integration

This ultra-compact, portable DVR meets the unique needs of industrial inspection, surveillance and security organizations, video analysts, emergency "first response" teams, law enforcement, government, and military agencies.

The perfect drop-in digital replacement for tape-based recording devices such as the Sony GVD200™.

The NDT200 simplifies operations with an intuitive user interface, and provides instant access to video recordings via the removable SATA HDD or SSD drive or the on-board USB port.

The NDT200 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 from an external PC.

Video clips are recorded in QuickTime™ for computer playback.

FV:3/18/13MP

Fast Forward Video
1901 Carnegie Ave. Unit 1P
Santa Ana, CA 92705 USA

www.ffv.com
Ph. 1-949-852-8404
sales@ffv.com

VIDEO INPUT

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

VIDEO OUTPUT

Analog Output	Composite and S-Video (Y/C)
Horizontal Resolution	550 TV Lines (at 5:1 Compression)
Levels	1 Vp-p, 75 Ohms
Standards	525/60 (NTSC) or 625/50 (PAL)
Connections	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	Digital 4:2:2 YCrCb
Analog Bandwidth	Y: 6.75 MHz C: 1.3 MHz
Composite	4.5 MHz (NTSC) 5.0 MHz (PAL)
DAC Resolution	10 bits x 3
S/N Ratio	60 dB

VIDEO COMPRESSION

Method	JPEG
Compression Ratio	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

Record Time:	4 to 20 minutes per GB
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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 Parts & Labor



Specifications subject to change without prior notice.

FFV

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US & Canada Toll Free: 1-800-755-8463

www.ffv.com Ph. 1-949-852-8404
sales@ffv.com Fax 1-949-852-1226