

# 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 30:1
- Analog Composite & S-Video (Y/C) I/Os
- Dual Channel Audio
- USB 2.0 \*\*QuickTime™ Video File Transfer
- PC Viewable Video Files
- Loop Record
- 32-Character Video Clip Naming
- Discrete Access to Every Frame of Video
- Jog, Scan, and Scrub
- PC 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



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-in. SATA hard 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.

FV:07/08NDT

**Fast Forward Video**

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**A DVR Technology Company**

## VIDEO INPUT

Analog Input Levels	Composite and S-Video (Y/C) 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 (Joint Photographic Experts Group)
Compression Ratio	Variable 4:1 to 30:1

## COMMUNICATION INTERFACE

RS-232 Interface	Conforms to Sony Remote 9 Pin
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## HARD DRIVE

Maximum Hard Drive:	2.5" SATA drive
Supported Hard Drive:	Hitachi or Fujitsu

## 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
Output Attenuation Range	94.5 dB
Passband	045 FS
Passband Ripple	+/- 0.1 dB

## SOFTWARE

FFV DVR Master

## GENERAL

Size	5.25" x 5.15" x 2"
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



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