

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
- 100 Gb SATA 2.5" Hard Drive
- 12 VDC Vehicle Power Adaptor
- Carry 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.

Fast Forward Video

18200-B West McDermott St., Irvine, California 92614
Ph. 949.852.8404

...Extraordinary Recorders

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
	(Joint Photographic Experts Group)
Compression Ratio	Variable 4:1 to 30:1

Communication Interface	
RS-232 Interface	Conforms to Sony Remote 9 Pin
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, 2.0V p-p
Input Impedance	600 Ohms
Output Attenuation Range	94.5 dB
Passband	045 FS
Passband Ripple	+/- 0.1 dB
Software	FFV DVR Master
General	
Size	5 1/8" x 5" x 1 3/4"
Input Voltage	7 to 40 Volts DC
Power Consumption	6 Watts
Operating Temperature	0 to 50 Degrees Celsius
Humidity	90% with no visible condensation
Warranty	1 Year



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www.ffv.com
sales@ffv.com

Ph. 949.852.8404
Fx. 949.852.1226