Niagara® Video Corporation

HDi Series
High Definition
Industrial Video Recorder

HDi-250 High Definition Industrial Video Recorder shown with optional slot-load & removable hard drive.

The HDi recorders are a series of versatile disk-based video recorders designed for industrial, scientific, educational and military video recording. Features include:

    HD/SD Recording & Playback
    Auto Detect TV Standard & Resolution
    Crestron/AMX compatible RS-232 & TCP/IP Remote Control
    Windows Network Accessible Files
    Secure Network Protocol (SSL)
    Sensitive Operation Lockout via PIN

Compact 1U Rackmount design with removable rack brackets allows for desktop operation.

High Definition Video up to HD1080i/p (1920 x1080) in MPEG-4 & MPEG-2.

Video I/O for the HDi-250 is HDMI, Component and Composite with 2-channel stereo audio. The HDi-SDI adds SDI input as well.

HD to DVD
Exclusive Dual-Stream Recording captures full HD video and transcodes/scales to DVD-format files simultaneously.

Video Overlay is available as Date, Time or Date & Time in the picture.

Responsive Display messages show status and record setup options as well as playback and disc burn options.

HDi Control is as versatile as HDi recording. Many operations are available and via Serial RS-232, TCP/IP (Telnet) commands and Web GUI.

Storage Options abound. Record to Hard Drive, Optical Disc, or USB device. The removable disk option ensures complete security and ease of changing media for different assignments

Cool Running—The HDi-250 draws only about 2 Amps, and dual crossflow fans keep the inside and outside cool

Optical Storage: A DVD drive is standard. Files can be copied to the DVD disc (+R, -R, +RW) as files or formatted and recorded as DVD-Video discs with No Menu, Text Menu, or Motion Video Icon menus. Recordings can also be copied to a network drive or to the front USB port. The HDi can record files directly to a USB drive as well as directly to optical disc.

Remote Protocol
For LAN control, the HDi-250 uses the "BCD1" 4-character command protocol, standard with all BCD products since 1982. Commands like PLAY, RECS & STOP are enhanced with disc commands like COPY and BURN.

Network Security
Connection to the network and file transfer to Windows machines is selectable On/Off. Secure Shell/SSH is standard. For security, the HDi can be ordered with NO USB and NO network connectors.

On-Board Help Video
Always accessible from the Help Menu, this 16-minute "HowTo" video is the perfect "Getting Started" manual.

General
The unit occupies 1 rack space and is equipped with a single DVD +-R/+RW drive, complete information display, HDMI, Component, Composite Video I/O, RJ-45 & 9-pin serial jacks for remote control, and on-board video help.

Ordering Information
HDi-250-HDD/DVD: High Definition Video Recorder with Hard Disk and DVD recording drive. Inquire for other options.

HDi-250 Specifications

General
Dimensions: (W x H x D) 18" x 1.75" x 17"
Fits 19" EIA Rack
Shipping Weight: 9lbs
Power: 100VAC to 240VAC 50-440Hz, <30W
Operating Temperature: +5 to +40C
Storage Temperature: -20 to +60C
Operating Humidity: 20 to 80%
Recording System: Hard Disk, NTSC/PAL
Recording File Formats: MP4, MPG
Recording Media: DVD +/-RW, DVD +/-R,

Input/Output
Video : HDMI Input and HDMI Output
Component (Y, Ry, By) BNC x6
(HD Input Formats: 720p50, 720p59.94, 720p60, 1080i/p50, 1080i59.94, 1080i/p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97 and 1080p30)
Composite BNC x2 , SD Only, PAL/NTSC
Audio In/Out: .7V p-p into 600 Ohms (RCA)

Control
Front Panel Buttons w/VFD Display
TCP/IP ASCII Commands
Protocol: RS-232 & TCP/IP "BCD1" protocol
Web/GUI interface

Specifications and prices subject to change without notice.

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