Professional solution for your security systems

Digital Video Recorder
NDR-EA3216

E series

Features

- QUADRUPLEX: simultaneous recording, live monitoring/playback, backup and networking
- Operating system based on Linux
- Real-time display
- Recording speed: up to 200 fps
- H.264 compression
- Recording resolution:
  - 720 x 576
  - 720 x 288
  - 360 x 288
- Supports up to 3 SATA HDDs (4th HDD instalation possible with additionally purchased mounting kit)
- Recording speed and quality defined individually for each camera
- Advanced schedule recording & motion detection functions
- Pre- & post-alarm functions
- Recording time estimation function
- 4-channel real-time audio recording
- External devices support ("Text-in" feature): ATM, POS, AC etc.
- Advanced search functions of recorded images
- PTZ control directly from the device or through the network
- Protocols: N-Control, Pelco-D, Pelco-P and others
- NV-KBD70 & NV-KBD30 keyboards compatible
- Possibility of installing DVD-RW drive (option)
- Backup: onto HDD or USB Flash Memory through USB port, CD/DVD (option) & through the network
- Networking (simultaneous connections with multiple DVRs and alarm e-mail notification)
- Software: E-Viewer application for remote administration, live monitoring and recorded data search with a built-in callback module (E-Viewer Callback), iMon application for live monitoring, receiving information on alarm events, alarm output control, DVR configuration from iPhone and Android OS devices
- Self-diagnostic functions with automatic notification
- User friendly multi-lingual OSD
- Covert camera function
- IR remote control and PC mouse control (in-set included)
- Power supply: 12 VDC (100 ~ 240 VAC/12 VDC PSU in-set included)

Specifications	Description
Operation Mode	QUADRUPLEX
Operating System	Linux
Video Input	16 x BNC, loop-through
Video Output	Main Monitor (1 x BNC, 1 x VGA), Spot Monitor (1 x BNC)
Alarm Input	16
Alarm Output	2 OC, 2 relay outputs
Audio Input	4 x RCA (Line-in)

Specifications	Description
Audio Output	1 x RCA
Recording Speed	Up to 200 fps (360 x 288), up to 100 fps (720 x 288), up to 50 fps (720 x 576)
Compression	H.264
Recording Resolution	720 x 576, 720 x 288, 360 x 288
Recording Mode	Time-lapse, Event (Alarm, Motion detection and/or "Text-in")
Display Speed	400 fps (real-time)
Display Screen	Full screen, 4, 9, 1+12, 16, PiP, sequence, user defined, digital zoom of a chosen screen area: 2x, freeze image function
Motion Detection	256 detection windows (16x16 grid) with sensitivity defined individually for each channel
Video Loss Detection	Yes
Schedule Recording	Individually adjustable for each day/specific days (holidays etc.) per camera, combination of individual recording modes possibility
Recorded Data Search	By date/time, events, "Text-in"
Event History Log	Up to 10 000 alarm events
Time Synchronization	Automatic time synchronization with NTP server
System Diagnostic	Automatic control of HDD bad sectors number ("Health") & temperature status with local and network notification function
Storage	Supports up to 3 SATA HDDs* (4th HDD instalation possible with additionally purchased mounting kit)
Backup	Onto CD/DVD (option), HDD or USB Flash Memory through USB port, through the network
External Ports	1 x Ethernet - RJ-45 interface, 10/100 Mbits/s, 3 x USB 2.0 for external drives (HDD, Flash Memory), 1 x USB 1.1 for PC mouse, 1 x RS-485 & 1 x RS-232 for PTZ cameras, NV-KBD70 & NV-KBD30 keyboards, POS, ATM, AC etc.
PTZ Functions	Directly from the device or through the network
Protocol	N-Control, Pelco-D, Pelco-P and others
Control	Front panel, IR remote controller (in-set included), Network (E-Viewer, iMon, IE), NV-KBD70 & NV-KBD30 keyboards, USB PC mouse (in-set included)
Set-up	Multi-lingual On Screen Display (OSD)
Software	E-Viewer, iMon
User Authorization	Creation of user groups and accounts with diverse grants, password protection
Auto System Recovery	Hardware WATCHDOG function
Power Supply	12 VDC (100 ~ 240 VAC/12 VDC PSU in-set included)
Power Consumption	Approx. 80 W with 4 HDDs
Operating Temperature	5°C ~ 40°C
Relative Humidity	0% ~ 80% (non-condensing)
Dimensions (mm)	430 (W) x 88 (H) x 428 (D)
Weight	6 kg (without HDD)
Rack Mount	Standard EIA 19", 2U
*	The list of recommended disk models and their capacity is available on Novus Security website in the Compatible Disks file in the product tab