

## Digital Video Recorder NDR-EA2208



### Features

- PENTAPLEX: simultaneous recording, live monitoring, playback/digital signage, backup and networking
- Operating system based on Linux
- Real-time display
- Recording speed: up to 200 fps
- H.264 compression
- Recording resolution:
  - 704 x 576
  - 704 x 288
  - 360 x 288
- Independent display on two main monitors (e.g. live and playback or live and digital signage etc.)
- Supports up to 2 SATA HDDs
- Recording resolution, speed and quality defined individually for each camera
- Advanced schedule recording & motion detection functions
- Pre- & post-alarm functions
- Recording time estimation function
- 8-channel real-time audio recording
- External devices support ("Text-in" feature): ATM, POS, AC etc.
- Digital Signage function
- Preview on one DVR images from other DVRs connected to the network
- 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
- Backup: onto HDD or USB Flash Memory through USB port & 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, PTZ control and 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	PENTAPLEX
Operating System	Linux
Video Input	8 x BNC, loop-through (option**)
Video Output	Main Monitor (1 x BNC, 1 x VGA)
Alarm Input	4 (Including Emergency)

Specifications	Description
Alarm Output	2 OC
Audio Input	8 x RCA (Line-in)
Audio Output	1 x RCA
Recording Speed	Up to 200 fps (360 x 288), up to 100 fps (704 x 288), up to 50 fps (704 x 576)
Compression	H.264
Recording Resolution	704 x 576, 704 x 288, 360 x 288
Recording Mode	Time-lapse, Event (Alarm, Motion detection and/or "Text-in")
Display Speed	200 fps (real-time)
Display Screen	Full screen, 4, 1 + 5, 9, PiP, sequence, digital zoom of a chosen screen area: 8x, freeze image function
Motion Detection	99 detection windows (9x11 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 or "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 2 SATA HDDs*
Backup	Onto HDD or USB Flash Memory through USB port, through the network
External Ports	1 x Ethernet - RJ-45 interface, 10/100 Mbits/s, 2 x USB 2.0 for external drives (HDD, Flash Memory) or 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 control (in-set included), Network (E-Viewer, IE, iMon2), NV-KBD70 & NV-KBD30 keyboards, USB PC mouse (in-set included)
Set-up	Multi-lingual On Screen Display (OSD)
Software	E-Viewer, iMon2
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. 40 W with 2 HDDs
Operating Temperature	5°C ~ 40°C
Relative Humidity	0% ~ 80% (non-condensing)
Dimensions (mm)	340 (W) x 67 (H) x 267 (D)
Weight	2 kg (without HDD)
*	The list of recommended disk models and their capacity is available on Novus Security website in the Compatible Disks file in the product tab
**	Loop-through connection is performed via NDR-EA/LOOP cable, which needs to be purchased separately. Single NDR-EA/LOOP cable supports up to 8 video channels.