

Digital Video Recorders

NDR-HA4208, NDR-HA4416



- Recording speed: up to 400 fps
- External devices support ("Text-in" feature): ATM, POS, AC, etc.
- Effective copying in the "mini-bank" format
- Graphical object visualisation (maps)
- Multi-lingual user friendly OSD
- PostScript printers support

MPEG-4 compression
D1 recording resolution
System self-diagnostic
Pre-alarm function (up to 1/2 h)

NDR-HA4208 and NDR-HA4416 digital video recorders feature the most advanced technical parameters among recorders available on the market. High stability and trouble-free continuous operation are the biggest advantages of H Series DVRs, which is the continuation of 5000 Series. These features, in connection with expanded self-diagnostic functions of recorders' processes and automatic notification, enable installation of the devices in objects of the highest safety requirements.

All H Series and 5000 Series DVRs are based on similar hardware and software solutions, which enable operation via RASplus application.

NDR-HA4208 and NDR-HA4416 recorders work in full quadruplex mode that allows simultaneous recording, live monitoring or playback, backup of the recorded data and networking.

Specifications

Model	NDR-HA4208	NDR-HA4416
Operation Mode	QUADRUPLEX	
Video Input	8 x BNC, loop-through	16 x BNC, loop-through
Video Output	Main Monitor (1 x BNC, 1 x VGA), Spot Monitor (1 x BNC)	
Alarm Input	8	16
Alarm Output	2 NO/NC	
Audio Input/Output	4 x RCA/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)	Up to 400 fps (360 x 288), Up to 200 fps (720 x 288), Up to 100 fps (720 x 576)
Compression	H.264 - own algorithm	
Recording Resolution	720 x 576, 720 x 288, 360 x 288	
Recording Mode	Time-lapse, Event (Alarm, Motion detection and/or "Text-in")	
Motion Detection	768 detection windows (24x32 grid) with sensitivity & active areas cells number needed for alarm activation defined individually for each channel	
Schedule Recording	Individually adjustable for each day/specific days (holidays, etc.) per camera, combination of individual recording modes possibility	
Time Synchronisation	Automatic time synchronisation 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 internal SATA HDDs, 1 HDD 500 GB in-set included	
Backup	Onto CD/DVD, HDD or USB Flash Memory through USB port, through the network	
DVD-RW Drive	Built-in	
External Ports	1 x Ethernet, 2 x USB 2.0, 1 x RS-485, 1 x RS-232	
PTZ Control	Directly from the device or through the network (RASplus, RASmobile, IE)	
Protocol	N-Control, Novus-C, Novus-C1, Pelco-D and others	
Control	Front panel, Network (RASplus, RASmobile, IE), NV-KBD70 & NV-KBD30 keyboards, USB PC mouse	
Set-up	Multi-lingual On Screen Display (OSD)	
Software	RASplus, RASmobile	
User Authorisation	Creation of user groups and accounts with diverse grants, password protection	
Power Supply	100 ~ 240 VAC	