

Digital Video Recorders

NDR-EA4104, NDR-EA4208, NDR-EA4416

E series



- Recording speed: up to 400 fps
- Up to 16-channel audio recording, remote listening through the network
- External devices support ("Text-in" feature): ATM, POS, AC, etc.
- Wide possibilities of recorded data copying
- Mirroring
- Multi-lingual user friendly OSD

H.264 compression
D1 recording resolution
System self-diagnostic
Pre-alarm function

NDR-EA4104, NDR-EA4208 and NDR-EA4416 digital video recorders are one of the most technically advanced DVRs available on the market. They are characterised by high stability and trouble-free operation, which - 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. Additional advantage of E Series recorders is their high price to capabilities ratio, which makes them good value for money.

All E Series DVRs are based on the same hardware and software solutions.

NDR-EA4104, NDR-EA4208 and NDR-EA4416 recorders work in full pentaplex mode that allows simultaneous recording, live monitoring or playback, backup of the recorded data, networking and mirroring.

Specifications

Model	NDR-EA4104	NDR-EA4208	NDR-EA4416
Operation Mode	PENTAPLEX		
Video Input	4 x BNC, loop-through	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)	Main Monitor (1 x BNC, 1 x VGA), Spot Monitor (4 x BNC)	
Alarm Input/Output	4/2 OC, 2 relay outputs	8/4 OC, 4 relay outputs	16/12 OC, 4 relay outputs
Audio Input/Output	4 x RCA (Line-in)/1 x RCA	4 x RCA (Line-in), 4 x RCA (Microphone)/1 x RCA	12 x RCA (Line-in), 4 x RCA (Microphone)/1 x RCA
Recording Speed	Up to 100 fps (360 x 288), Up to 50 fps (720 x 288), Up to 25 fps (720 x 576)	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		
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	720 detection windows (30x24 grid) with sensitivity defined individually for each channel	256 detection windows (16x16 grid) with sensitivity 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 1 SATA HDD (2nd HDD installation with optional mounting kit)	Supports up to 3 SATA HDDs (4th HDD installation with optional mounting kit)	
Backup	Onto CD/DVD (option), HDD or USB Flash Memory through USB port, through the network		
Mirroring	Automatic backup onto internal HDDs		
External Ports	1 x Ethernet, 1 x USB 2.0, 1 x USB 1.1, 1 x RS-485, 1 x RS-232	1 x Ethernet, 3 x USB 2.0, 1 x USB 1.1, 1 x RS-485, 1 x RS-232	
PTZ Control	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*, IE), NV-KBD70 & NV-KBD30 keyboards, USB PC mouse (in-set included)		
Set-up	Multi-lingual On Screen Display (OSD)		
Software	E-Viewer*		
User Authorisation	Creation of user groups and accounts with diverse grants, password protection		
Power Supply	12 VDC (100 ~ 240 VAC/12 VDC PSU in-set included)		

* E-Viewer application available in the future