NOVUS

AHD Recorder
NHDR-3216AHD

3000 AHD SERIES

FUNCTIONS

HYBRID SYSTEM | x16 V+A | x2 Monitor | x2 HDD

KEY FEATURES

- Video channels: 16, audio channels: 16
- Recording speed: up to 400 fps (AHD), up to 600 fps (IP)
- Internal HDDs mount: up to 2
- Monitor outputs (main): 2
- Supports 700 TVL analog cameras (960H)
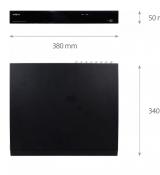- Supports HD analog cameras (720p, 1080p lite)
- IP cameras support (hybrid mode)
- PIR cameras support

DIMENSIONS

50 mm

380 mm

340 mm

Video	
Video Input	16 x BNC
Monitor Output	main (split screen, full screen, sequence): 1 x HDMI (FullHD), 1 x VGA (FullHD)
IP Streams	DVR mode: 16 x BNC + 0 x IP hybrid mode: 16 x BNC + 8 x IP IP mode: 0 x BNC + 24 x IP
Supported IP resolution	max. 2688 x 1520
Audio	
Audio Input/Output	16 x RCA (Line-in)/1 x HDMI, 1 x RCA
Recording	
Compression	H.264
Recording Speed	400 fps (960 x 576 - 960H) 400 fps (1280 x 720 - HD) 400 fps (960 x 1080 - 1080p Lite)
IP recording speed	hybrid mode: 200fps IP mode: 600fps
IP stream size	hybrid mode: 24 Mb/s in total from all IP cameras IP mode: 72 Mb/s in total from all IP cameras
Recording Mode	continuous, triggered by: REC/PANIC button, alarm input, motion detection, PIR alarm
Schedule	individual settings for: each camera, each day of the week, configuration with an accuracy of: 30 min, possibility of combining individual recording modes
Prealarm/postalarm	up to 3 s/up to 5 min
Playback	
Playback speed	400 fps
IP playback speed	350 fps
Recorded Data Search	by date/time, events, object appearance/disappearance
Backup	
Backup Methods	USB port (HDD or Flash memory), network
Backup File Format	BMP, MP4, AVI, H264
Storage	
Internal storage	available mount: 2 x HDD 3.5" SATA
Total Internal Capacity	16 TB
External storage	1 x eSATA
Total External Capacity	24 TB
Alarm	
Alarm Input/Output	16/1 relay type
Motion Detection	36 x 44 grid, individual settings of sensitivity, PIR cameras support
System Reaction to Alarm Events	buzzer, e-mail, alarm output activation, screen message, recording activation
Network	
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
PC/MAC Software	NMS, Internet Explorer, NHDR-5000 Viewer/Safari, NHDR-5000 Viewer
Mobile applications	RxCamView (iPhone, Android)
Number of Simultaneous Connections	up to 5 (live monitoring: 5, playback: 1, configuration: 5)
Bandwidth	32 Mb/s in total to all client workstations
PTZ	
PTZ Ports	1 x RS-485
PTZ Protocols	Pelco-D, Pelco-P
PTZ Functions	pan/tilt/zoom, preset commands, patterns
COAX	
COAX Functions	menu, zoom, focus, PTZ
Auxiliary Interfaces	
USB Ports	2 x USB 2.0,
Operating system	
Operating System	Linux
OSD	languages: Polish, English, Russian, others
Control	PC mouse and IR remote controller (in-set included), network, NV-KBD50 keyboard
System Diagnostic	automatic control of: HDDs, camera connection loss
Installation parameters	
Dimensions (mm)	380 (W) x 50 (H) x 340 (D)
Weight	1.5 kg (without HDD)
Power Supply	12 VDC (100 ~ 240 VAC/12 VDC PSU in-set included)
Power Consumption	30 W (with 2 HDDs)
Operating Temperature	-10°C ~ 45°C

Support both high definition analog cameras (720p, 1080p lite) and standard resolution cameras (960H).
AHD Recording is limited to 10 fps per channel during playback or hybrid mode.
List of compatible HDD models and maximum of their capacities is available in section DOWNLOADABLE FILES.
ESATA is available from serial No 1706..