NOVUS

AHD Recorder

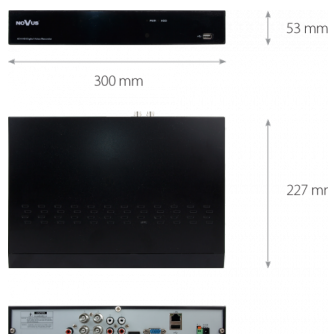## NHDR-3204AHD

3000 AHD SERIES

FUNCTIONS

HYBRID SYSTEM | x4 V+A | x2 Monitor

x1 HDD

KEY FEATURES

- Video channels: 4, audio channels: 4
- Recording speed: up to 100 fps (AHD), up to 150 fps (IP)
- Internal HDDs mount: up to 1
- 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

53 mm
300 mm
227 mm

Video	
Video Input	4 x BNC
Monitor Output	main (split screen, full screen, sequence): 1 x HDMI (FullHD), 1 x VGA (FullHD)
IP Streams	DVR mode: 4 x BNC + 0 x IP hybrid mode: 4 x BNC + 2 x IP IP mode: 0 x BNC + 6 x IP
Supported IP resolution	max. 1920 x 1080
Audio	
Audio Input/Output	4 x RCA (Line-in)/1 x HDMI, 1 x RCA
Recording	
Compression	H.264
Recording Speed	100 fps (960 x 576 - 960H) 100 fps (1280 x 720 - HD) 100 fps (960 x 1080 - 1080p Lite)
IP recording speed	hybrid mode: 50fps IP mode: 150fps
IP stream size	hybrid mode: 6 Mb/s in total from all IP cameras IP mode: 18 Mb/s in total from all IP cameras
Recording Mode	continuous, triggered by: REC/PANIC button, 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	100 fps
IP playback speed	150 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: 1 x HDD 3.5" SATA
Total Internal Capacity	8 TB
External storage	1 x eSATA
Total External Capacity	24 TB
Alarm	
Motion Detection	36 x 44 grid, individual settings of sensitivity, PIR cameras support
System Reaction to Alarm Events	buzzer, e-mail, 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	16 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)	300 (W) x 53 (H) x 227 (D)
Weight	1.1 kg (without HDD)
Power Supply	12 VDC (100 ~ 240 VAC/12 VDC PSU in-set included)
Power Consumption	20 W (with 1 HDD)
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 15 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 1705..