



# Digital Video Recorder

## NDR-BA6416



### FUNCTIONS

**HYBRID SYSTEM**

**WD1 Real-Time RECORDING**

**960H**

**400 FPS**

**Audio x4**

**Video x16**

**Monitor x4**

**HDD x2**

### COMPATIBILITY



### KEY FEATURES

- Video channels: 16, audio channels: 4
- IP video channels: 8
- Recording speed up to 400 fps (analog) + up to 200 fps (IP)
- Internal HDDs mount: up to 2
- Monitor outputs: 4 (3 x main, 1 x spot)
- Advanced network software
- Supports 700 TVL cameras (960H)
- IP cameras support (hybrid mode)

### DIMENSIONS



<b>Video</b>	
Video Input	16 x BNC
IP Cameras	Channels number: 8 at 2048 x 1536 resolution *
Monitor Output	main (split screen, full screen, sequence): 1 x HDMI, 1 x VGA, 1 x BNC, spot (full screen, sequence): 1 x BNC
<b>Audio</b>	
Audio Input/Output	4 x RCA/1 x RCA
<b>Recording</b>	
Compression	H.264
Recording Speed	400 fps (960 x 576), 400 fps (720 x 576), 400 fps (720 x 288), 400 fps (360 x 288)
Recording Speed (IP Cameras)	144 fps (8 x 18 fps for 2048 x 1536) 200 fps (8 x 25 fps for 1920 x 1080) 200 fps (8 x 25 fps for 1280 x 720)
IP Stream Size	32 Mb/s in total from all cameras
Recording Mode	time-lapse, triggered by: REC/PANIC button, alarm input, motion detection
Schedule	individual settings for: each camera, each day of the week, configuration with an accuracy of: 60 min, possibility of combining individual recording modes
Prealarm/Postalarm	up to 30 s/up to 5 min
<b>Playback</b>	
Playback Speed (analog channels)	400 fps (25 fps per channel)
Playback Speed (IP channels)	100 fps (25 fps per channel)
Recorded Data Search	by date/time, events
<b>Backup</b>	
Backup Methods	DVD (option), USB port (HDD or Flash memory), network
Backup File Format	AVI, DAT
<b>Storage</b>	
Internal storage	available mount: 2 x HDD 3.5" SATA (without DVD-RW) **
Total Capacity	8 TB
DVD-RW	1 x SATA (option)
<b>Alarm</b>	
Alarm Input/Output	8/1 relay type
Motion Detection	22 x 15 grid, individual settings of sensitivity
System Reaction to Alarm Events	buzzer, e-mail, alarm output activation, screen message, recording activation
<b>Network</b>	
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
PC/MAC Software	B-Viewer, CMS, NMS, Internet Explorer/-
Mobile applications	SuperLivePro (iPhone, Android), SuperLiveHD (iPhone, Android)
Max. Number of Connections with DVR	7 (live monitoring: 5, playback: 1, configuration: 1)
<b>PTZ</b>	
PTZ Ports	1 x RS-485
PTZ Protocols	N-Control, Pelco-D, Pelco-P, others
PTZ Functions	pan/tilt/zoom, preset commands, patterns, tours, auto-scans
<b>Auxiliary Interfaces</b>	
USB Ports	2 x USB 2.0
<b>Operating system</b>	
Operating System	Linux
Operation Mode	quadriplex
OSD	languages: Polish, English, Russian, others
Control	front panel, PC mouse and IR remote controller (in-set included), network, NV-KBD70, NV-KBD50, NV-KBD30 keyboards
System Diagnostic	automatic control of: HDDs
<b>Installation parameters</b>	
Dimensions (mm)	430 (W) x 65 (H) x 390 (D)
Weight	4 kg (without HDDs)
Power Supply	12 VDC (100 ~ 240 VAC/12 VDC PSU in-set included)
Power Consumption	40 W (with 2 HDDs)
Operating Temperature	0°C ~ 50°C

\* Feature available for DVRs with 3.4.3.U-3531-11 2014-12-15 (Launch date) or later firmware version. DVR is compatible with Novus IP-3000 cameras.  
\*\* List of compatible HDD models and maximum of their capacities is available in section DOWNLOADABLE FILES.