# NOVUS

# Multistandard AHD Recorder

## NHDR-4M5316AHD

**5000 AHD SERIES**

## FUNCTIONS

MULTI STANDARD | 4K HDMI

HYBRID SYSTEM | 5 Mpx ● REC | x16 V+A

Monitor x2 | HDD x2
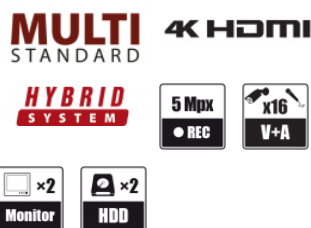
## KEY FEATURES

- Video channels: 16, audio channels: 16
- Recording speed: up to 400 fps (AHD), up to 200 fps (IP)
- Internal HDDs mount: up to 2
- Monitor outputs: 2 (2 x main, 1 x spot)
- Supports HD analog cameras (720p, 1080p, 4MPX, 5MPX)
- Supports AHD, TVI, CVI cameras
- IP cameras support (hybrid mode)
- Intelligent image analysis
- PIR cameras support
- Supports POS devices

## DIMENSIONS

50 mm

380 mm

340 mm

| Video | |
|---|---|
| Video Input | 16 x BNC |
| Operating mode | AHD 5Mpx, TVI 1080p, CVI 1080p, analog 960H |
| Monitor Output | main (split screen, full screen, sequence): 1 x HDMI (4K UltraHD), 1 x VGA (FullHD), spot: 1 x VGA (HD) interchangeably to main output |
| IP Streams | DVR mode: 16 x BNC + 0 x IP hybrid mode: 16 x BNC + 8 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 (1920 x 1080 - FullHD) 240 fps (2560 x 1440 - 4Mpx) 176 fps (2560 x 1944 - 5Mpx) |
| IP recording speed | hybrid mode: 200fps |
| IP stream size | hybrid mode: 128 Mb/s in total from all IP cameras |
| Recording Mode | continuous, triggered by: REC/PANIC button, alarm input, motion detection, PIR alarm, image analysis |
| 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 | 200 fps |
| Recorded Data Search | by date/time, events, object appearance/disappearance, image analysis events, POS |
| **Backup** | |
| Backup Methods | DVD (option), 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, PTZ |
| **Intelligent image analysis** | |
| Supported functions | Object detection, Line cross, Zone entrance |
| Number of channels | 1 x BNC, 8 x IP (2000 and 4000 Serie) |
| **Network** | |
| Network Interface | 1 x Ethernet - RJ-45 interface, 10/100/1000 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 | 128 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 |
| **POS** | |
| Number of POS channels | 4 |
| POS Interface | Ethernet |
| POS Functions | display text on the video, keyword search, export text with the video |
| **Auxiliary Interfaces** | |
| USB Ports | 1 x USB 2.0, 1 x USB 3.0, |
| **Operating system** | |
| Operating System | Linux |
| OSD | languages: Polish, English, Russian, others |
| Control | front panel, 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 HDDs) |
| 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 |

*Recording speed may be limited during playback in hybrid or POS mode.*
*List of compatible HDD models and maximum of their capacities is available in section DOWNLOADABLE FILES.*
*POS feature available from NHDR4M5316AHD_V171218_W firmware.*
*One of the functions: SPOT monitor, POS, inteligent analysis, can be switched on at once.*