## NOVUS

### Multistandard AHD Recorder

### NHDR-4M5316AHD





### **KEY FEATURES**

AHD SERIES













- •Video channels: 16, audio channels: 16
- •Recording speed: up to 400 fps (AHD), up to 200 fps
- •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**



| 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 speed       | 400 fps  |
|----------------------|--|
| IP playback speed    | 200 fps  |
| Recorded Data Search | by date/time, events, object appearance/disappearance, image |

### **BACKUP**

| Backup Methods     | DVD (option), USB port (HDD or Flash memory), network |
|--------------------|---|
| Backup File Format | BMP, MP4, AVI, H264                                   |

### **STORAGE**

| 0.0.0.0                 |                                    |  |
|-------------------------|------------------------------------|--|
| 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                              |  |
| ALADM                   |                                    |  |

### ALARM







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| 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 ANALYS          | IS   |
| 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 Viewe                             |
| Mobile applications               | RxCamView (iPhone, Android)  |
| Number of Simultaneous Connection | onsup 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   |

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.



