

## Multistandard AHD Recorder NHDR-5116AHD

**5000**  
AHD SERIES



### 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: 2 (2 x main, 1 x spot)
- Supports HD analog cameras (720p, 1080p)
- Supports AHD, TVI, CVI cameras
- IP cameras support (hybrid mode)
- PIR cameras support

### DIMENSIONS



### VIDEO

|                         |                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Video Input             | 16 x BNC                                                                                                                                |
| Operating mode          | AHD 1080p, 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 • 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) • 240 fps (1920 x 1080 - FullHD)                                                                    |
| IP recording speed | hybrid mode: 200fps • IP mode: 600fps                                                                                                                      |
| IP stream size     | hybrid mode: 32 Mb/s in total from all IP cameras • IP mode: 96 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    | 400 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

## Multistandard AHD Recorder NHDR-5116AHD

|                                 |                                                                               |
|---------------------------------|-------------------------------------------------------------------------------|
| 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, 10/100/1000 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                          | 64 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           | 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**.

Multistandard and ESATA is available in DVR from serial No 1704..