Multistandard AHD Recorder

NHDR-6016A-H1-II



6000 VSS HYBRID

FUNCTIONS

VCA ANALYSIS

MULTI STANDARD

H.265

H.265+

5 Mpx

720 fps ● REC

x16 V+A

×3 Monitor

×1 HDD

COMPLIANCE

NDAA

KEY FEATURES

- Video channels: 16, audio channels: 1
- Recording speed: up to 480 fps (AHD), up to 480 fps (IP)
- Internal HDDs mount: up to 1
- Monitor outputs: 3 (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

DIMENSIONS



42 mm

255 mm



234 mm



Video	
Video Input	16 x BNC
Operating mode	AHD 5Mpx, TVI 5Mpx, CVI 5Mpx, analog 960H
Monitor Output	main (split screen, full screen, sequence): 1 x HDMI (FullHD), 1 x VGA (FullHD), 1 x BNC, spot: 1 x BNC interchangeably to main output
IP Streams	hybrid mode: 16 x BNC + 8 x IP IP mode: 8 x BNC + 16 x IP
Supported IP resolution	max. 2592 x 1944
Audio	
Audio Input/Output	1 x RCA (Line-in)/1 x HDMI, 1 x RCA
Recording	
Compression	H.264, H.265, H.265+
Recording Speed	480 fps (960 x 576 - 960H) 480 fps (960 x 1080 - 1080p Lite) 240 fps (1920 x 1080 - FullHD) 240 fps (1280 x 1440 - 4Mpx Lite) 160 fps (1280 x 1944 - 5Mpx Lite)
IP recording speed	hybrid mode: 240fps IP mode: 480fps
IP stream size	hybrid mode: 32 Mb/s in total from all IP cameras IP mode: 64 Mb/s in total from all IP cameras
Recording Mode	continuous, triggered by: REC/PANIC button, alarm input, motion detection, image analysis
Schedule	individual settings for: each camera, each day of the week, configuration with an accuracy of: 1 min, possibility of combining individual recording modes
Prealarm/postalarm	up to 5 s/up to 10 min
Playback	
Playback speed	480 fps
IP playback speed	480 fps
Recorded Data Search	by date/time, events, image analysis events, motion in a defined area, tags
Backup	
Backup Methods	USB port (HDD or Flash memory), network
Backup File Format	AVI, RPAS (player included)
Storage	
Internal storage	available mount: 1 x HDD 3.5" SATA
Total Internal Capacity	24 TB
Alarm	
IP Camera Alarm Input/Output	supports IP camera's alarm input/output
Motion Detection	18 x 22 grid, individual settings of sensitivity
System Reaction to Alarm Events	buzzer, e-mail, alarm output activation, recording activation, PTZ, Full Screen, PUSH message, snapshot
Intelligent image analysis	
Supported functions for analog cameras	Line cross, Zone entrance, Smart Motion Detection
Supported functions for IP cameras	Object detection, Exception, Scene change, Video blurred, Video color cast, Line cross, Zone entrance, Abandoned object, Object disappearance
Network	
Network Interface	1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Network Protocols Support	HTTP, TCP/IP, IPv4/v6, HTTPS, FTP, DHCP, DNS, DDNS, NTP, RTSP, UPnP, SNMP, IEEE 802.1X, PPPoE, SMTP, P2P, POS, HTML5
PC/MAC Software	NOVUS MANAGEMENT SYSTEM VSS, NOVUS MANAGEMENT SYSTEM AC, NMS, Internet Explorer, Firefox, Chrome, Opera, N Control 6000, Edge/Safari, N Control 6000
Mobile applications	ipGO 6 (iPhone, Android)
Number of Simultaneous Connections	up to 10 (live monitoring: 10, playback: 10, configuration: 10) , live monitoring up to 28 mainstreams, 96 substreams, playback up to 16 streams
Bandwidth	80 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	IR remote controller, PC mouse (in-set included), network
System Diagnostic	automatic control of: HDDs, camera connection loss
Security	password protection, IP filtering, MAC filtering
Installation parameters	
Dimensions (mm)	255 (W) x 42 (H) x 234 (D)
Weight	0.89 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 ~ 50°C

The recorder is dedicated to work with AHD cameras, Novus 3000 and 6000 series IP cameras and achieves the best functionality with them. In case of work with IP cameras intelligent image analysis, dualstream mode, PTZ control, motion detection and alarm inputs / outputs functions depend on the functionality of the IP camera and the capabilities of the communication protocol. Detailed data on camera compatibility with recorders and compatible hard drives can be found in the compatibility tables available in the DOWNLOADABLE FILES tab.
Display and playback speeds are achieved using dual stream.
The recording speed of analog cameras may be limited during playback.