NOVUS

Multistandard AHD Recorder

NHDR-6016-H1-II

6000 VSS HYBRID+

FUNCTIONS

VCA ANALYSIS
MULTI STANDARD
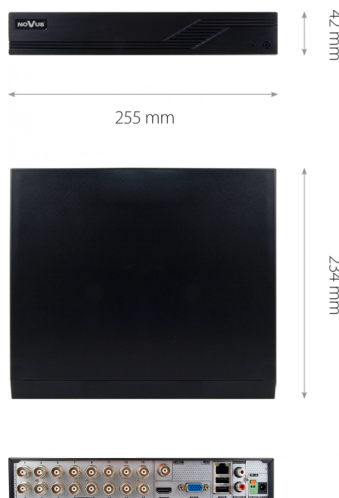H·265
5 Mpx
480 fps ● REC
Monitor ×3
HDD ×1
Video ×16

COMPATIBILITY

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 high resolution analog cameras (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
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
Recording Speed	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	8 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, recording activation, PTZ, Full Screen
Intelligent image analysis	
Supported functions for analog cameras	Line cross, Zone entrance
Supported functions for IP cameras	Exception, 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, 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	N-VID6 (iPhone, Android)
Number of Simultaneous Connections	up to 8 (live monitoring: 8, playback: 8, configuration: 8) , live monitoring up to 28 mainstreams, 96 substreams, playback up to 8 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
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.