

## Digital Video Recorder NV-DVR5816/D



### Features

- PENTAPLEX: simultaneous recording, live monitoring, playback, archiving/mirroring and networking
- Operating system based on Linux
- Real-time display
- Recording speed: up to 400 fps for 720 x 288 - „real-time recording“ DVR
- MPEG-4 compression
- Recording resolution:
  - 720 x 576
  - 720 x 288
  - 360 x 288
- 4 spot monitor outputs with matrix switcher function (16 x 4)
- Storage of max. 18 TB, 1 HDD 250 GB in-set included
- Recording resolution, speed and quality defined individually for each camera
- Advanced schedule recording & motion detection functions
- Pre- & post-alarm functions
- 16-channel real-time audio recording
- External devices support (“Text-in” feature): ATM, POS, AC etc.
- Advanced search functions of recorded images
- PTZ control directly from the device or through the network
- Possibility of controlling NOVUS® cameras equipped with RS-485 interface
- Protocol: Novus-C, Novus-C1, Pelco-D and others
- NV-KBD70, NV-KBD60 & NV-KBD30 keyboards compatible
- Built-in DVD-RW drive
- Backup: onto HDD or USB Flash Memory through USB port, CD/DVD & through the network
- Networking (simultaneous connections with multiple DVRs and alarm e-mail notification)
- Software: RASplus application (for remote administration, live monitoring and recorded data search) with a built-in module for graphical object visualization (maps), RASmobile application (for mobile devices (PDA) based on WindowsMobile OS, for viewing camera images)
- Self-diagnostic functions with automatic notification
- User friendly multi-lingual OSD
- Covert camera function
- IR remote control and PC mouse control
- Power supply: 100~240 VAC

Specifications	Description
Operation Mode	PENTAPLEX
Operating System	Linux
Video Input	16 x BNC loop-through, 1.0 Vp-p/75 Ohm
Video Output	1 Main Monitor output (BNC, Y/C and/or VGA), 4 Spot Monitor output (BNC)
Alarm Input	16
Alarm Output	12 OC, 4 relay outputs

Specifications	Description
Audio Input	16 x RCA
Audio Output	1 x RCA
Recording Speed	Up to 400 fps (720 x 288, 360 x 288), up to 200 fps (720x576)
Compression	MPEG-4 - own algorithm (4 quality levels)
Recording Resolution	720x576, 720 x 288, 360 x 288
Recording Mode	Time-lapse, Event (Alarm, Motion detection, Object detection and/or "Text-in")
Display Speed	400 fps (real-time)
Display Screen	Full screen, 4, 9, 16, PiP, sequence, user defined, freeze image function, digital zoom of a chosen screen area: x2, x3, x4
Motion Detection	616 detection windows (28x22 grid) with sensitivity, active areas size & cells number needed for alarm activation defined individually for each channel, additional disappeared object detection function
Video Loss Detection	Yes
Schedule Recording	Individually adjustable for each day/specific days (holidays etc.) per camera, combination of individual recording modes possibility
Recorded Data Search	By date/time or events (motion, disappeared object, "Text-in")
Event History Log	Up to 5 000 alarm events
Time Synchronization	Automatic time synchronization with NTP server
System Diagnostic	Automatic control of HDD bad sectors number ("Health") & temperature status with local and network notification function
Storage	Max. 18 TB - supports up to 4 SATA HDDs installed in Hot Swap drives and external HDDs through SCSI port, 1 HDD 250 GB in-set included
Backup	Onto CD/DVD, HDD or USB Flash Memory through USB port, through the network
Archiving	Automatic archiving onto internal & external HDDs connected through USB or SCSI ports
Mirroring	Automatic archiving onto internal or external HDD connected through SCSI or USB port
DVD-RW Drive	Built-in
External Ports	1 x Ethernet - RJ-45 interface, 10/100 Mbps/s, 3 x USB 2.0 for external drives (HDD, PC mouse, Flash Memory), 1 x SCSI for external HDDs, 2 x RS-485 for PTZ cameras or NV-KBD70, NV-KBD60 & NV-KBD30 keyboards, 2 x RS-232 for POS, ATM, AC etc.
PTZ Functions	PTZ cameras control directly from the device and through the network (RASplus, IE)
Protocol	Novus-C, Novus-C1, Pelco-D
Control	Front panel, IR remote control (in-set included), Network (RASplus, IE), NV-KBD70, NV-KBD60 & NV-KBD30 keyboards, USB PC mouse
Set-up	Multi-lingual On Screen Display (OSD)
Software	RASplus, RASmobile
User Authorization	Multi-level password protection
Auto System Recovery	Hardware WATCHDOG function
Power Supply	230 VAC
Power Consumption	Approx. 105 W with 4 HDDs
Operating Temperature	5°C ~ 40°C
Relative Humidity	0 % ~ 80 % (non-condensing)
Dimensions (mm)	430 (W) x 177 (H) x 504 (D)
Weight	17.8 kg (without HDD)
Rack Mount	Standard EIA 19", 4U
*	The list of recommended disk models and their capacity is available on Novus website in the compatible disks file in the products tab