**IP Recorder**
NVR-4104-H1-SET

**KEY FEATURES**
- Video channels: 4
- Recording speed up to 60 fps at 1920 x 1080
- Recorded stream size: 8 Mb/s in total from all cameras
- Internal HDDs mount: 1
- Monitor outputs: 2 (HDMI, VGA)

**COMPATIBILITY**
- ip series4000
- ip series2000

**Bullet IP Camera**
NVIP-2DN2003H/IR-1P-SET

**KEY FEATURES**
- Resolution: 2 MPX
- D/N function - IR cut filter
- Lens: standard, f=3.6 mm/F2.0
- Min. Illumination: 0.1 lx (0 lx, IR on)
- IR LED, range up to 20 m

**COMPATIBILITY**
- ip series4000
- ip series2000

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**SET CONTAINS:**
- 1 x NVR-4104-H1-SET recorder
- 1 x hard drive 1 TB
- 2 x NVIP-2DN2003H/IR-1P-SET
- 5 x power supply
- 1 x 1 m UTP cable
- 1 x 1,5 m HDMI cable
- 1 x optical mouse

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**IP SET**
NV-WIFISET-1

**IP Recorder**
NVR-4104-H1-SET

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**www.novuscctv.com**
**Bullet IP Camera**
NVIP-2DN2003H/IR-1P-SET

**IMAGE**
Image Sensor 2 MPX CMOS sensor 1/2.7" SmartSens
Number of Effective Pixels 1936 (H) x 1086 (V)
Min. Illumination 0.1 lx/F2.0 - color mode, 0 lx (IR on) - B/W mode
Wide Dynamic Range (WDR) yes
Digital Noise Reduction (DNR) 3D
Back Light Compensation (BLC) yes

**LENS**
Lens Type standard, f=3.6 mm/F2.0

**DAY/NIGHT**
Switching Type mechanical IR cut filter
Switching Mode auto
Visible Light Sensor yes

**NETWORK**
Stream Resolution 1920 x 1080 (Full HD), 640 x 360
Frame Rate 15 fps for each resolution*
Multistreaming Mode 2 streams
Video/Audio Compression H.264/-
Number of Simultaneous Connections max. 1
Bandwidth 2 Mb/s in total

**IR LED**
LED Number 18
Range 20 m
Angle 120°

**INTERFACES**
Network Interface Wireless (WiFi)

**INSTALLATION PARAMETERS**
Dimensions (mm) with bracket: 69 (Ф) x 147 (L)
Weight 0.33 kg
Degree of Protection IP 66 (details in the user’s manual)
Enclosure aluminium, white, fully cable managed wall mount bracket in-set included
Power Supply 12 VDC [230 VAC/12 VDC PSU in-set included]
Power Consumption 1.6 W, 4.3 W (IR on)
Operating Temperature -10°C – 50°C

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**IP Recorder**
NVR-4104-H1-SET

**VIDEO**
IP Cameras 4 video channels at 1920 x 1080 resolution
Supported Resolution max. 1920 x 1080
Compression H.264
Monitor Output main (split screen, full screen, sequence): 1 x HDMI, 1 x VGA (up to 2 monitors simultaneously)
Dualstreaming Support yes

**RECORDING**
Recording Speed 60 fps (4 x 15 fps for 1920 x 1080 and lower)*
Stream Size 8 Mb/s in total from all cameras
Recording Mode time-lapse, triggered by: manual, motion detection
Prealarm/Postalarm up to 1 s/up to 600 s

**DISPLAY**
Display Speed 60 fps (4 x 15 fps)*

**PLAYBACK**
Playback Speed 60 fps (4 x 15 fps)*
Recorded Data Search by date/time, events

**BACKUP**
Backup Methods USB port (HDD or Flash memory), network
Backup File Format BMP, MP4, AVI, RF

**STORAGE**
Internal storage built-in: 1 x HDD 3.5" 1 TB SATA

**ALARM**
System Reaction to Alarm Events buzzer, e-mail, screen message, recording activation, cloud storage

**NETWORK**
Network Interface 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
Network Protocols Support HTTP, TCP/IP, IPv4, UDP, FTP, DHCP, DNS, DDNS, NTP, RTSP, RTP, UPnP, SMTP
PC/MAC Software Internet Explorer, NHDR-5000 Viewer/Safari, NHDR-5000 Viewer
Smartphone Software RxCamView (iPhone, Android)
Max. Number of Connections with NVR 4
Bandwidth 32 Mb/s in total to all client workstations

**AUXILIARY INTERFACES**
USB Ports 2 x USB 2.0

**INSTALLATION PARAMETERS**
Dimensions (mm) 360 (W) x 50 (H) x 250 (D)
Weight 1.5 kg
Power Supply 12 VDC (100 – 240 VAC/12 VDC PSU in-set included)
Power Consumption 12 W (with 1 HDD)
Operating Temperature 0°C – 40°C

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* List of compatible HDD models and maximum of their capacities is available in section DOWNLOADABLE FILES. ** Available with dual streaming mode.
Support for intelligent image analysis works only with NOVUS IP 2000 series cameras