D-Link

Product Highlights

Dual Output and 6 MP IP Camera Support
Supports simultaneous output to two monitors and up to four 1080P IP cameras for clear, detailed footage.

High-Compression Codecs & Storage Efficiency
Supports high-compression H.265 to save recording storage space and reduce network bandwidth.

Built-In AI Accuracy
Smart Motion Detection (SMD) by recorder classifies people and vehicles to reduce false alarms. Works with IP cameras to enable perimeter protection.

BNR-004
H.265 4-Channel Network Video Recorder

Key Features

Video Performance and Efficiency
- Supports H.265 and H.264 compression formats
- Decoding up to 4ch x 1080p at 30 fps
- Bandwidth up to 40 Mbps incoming, 40 Mbps recording, and 40 Mbps outgoing

Smart Search and Playback
- Uses intelligent search algorithms to quickly locate the time of events and review playback

Multiple Network Protocols
- Supports IPv4/IPv6
- Web GUI accessible via HTTPS
- Supports DDNS and PPPoE for convenient remote connections

The BNR-004 H.265 4-Channel Network Video Recorder delivers strong performance with two display support for highly detailed scenes. It can act as edge, central, or backup storage and includes an intuitive shortcut menu for remote management and control. The design is cost effective and easy to install, making it suitable for villas, shops, and other small to medium applications. A guided setup wizard and automatic device discovery shorten installation time and reduce maintenance effort for installers and end users. The quiet 1U form factor with single drive local storage keeps costs predictable while meeting everyday recording and playback needs.
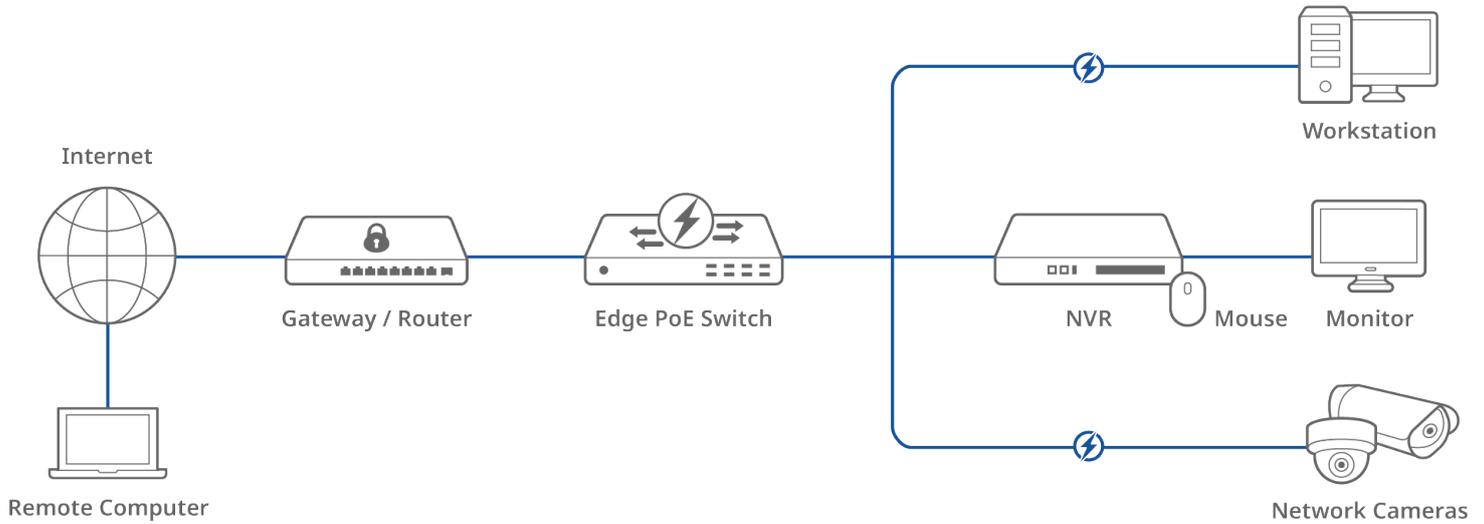
Intelligent Motion Detection
With intelligent algorithms, D-Link Smart Motion Detection classifies motion events as people or vehicles and filters irrelevant triggers to deliver accurate real time alerts. This helps operators focus on true security events, reduces nuisance notifications during busy hours, and speeds up incident review by highlighting relevant clips in playback.

Device Fault Detection
Monitors various abnormal conditions, including video loss, disk errors, IP conflicts, and more. Provides pop-up message notifications to enable quick identification and resolution of issues, ensuring smooth and reliable operation.

Connection Diagram
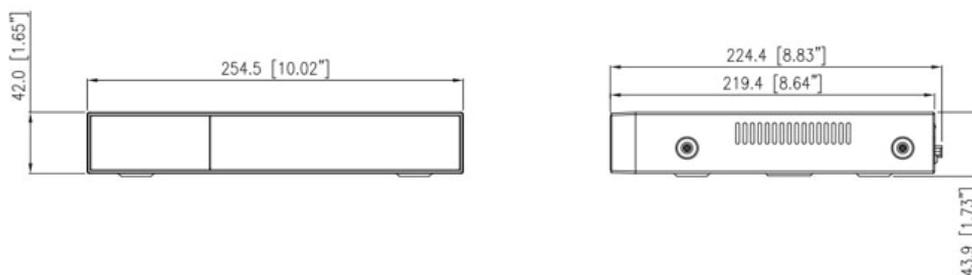

Technical Specifications

General		
Standards	• IEEE 802.3x/u • SATA I/II/III	• Auto MDI/MDI-X
HDD	Up to 8 TB capacity	
Reset Button	Reset through web GUI	
Network Interface	1 x Fast Ethernet port (10/100 Mbps)	
I/O Ports	• 1 x 10/100 Base-T RJ-45 port • 1 x HDMI port (supports 1080P resolution)	• 2 x USB 2.0 ports • 1 x VGA (supports 1080P resolution)
Features		
Access Channels	4 channels	
Live View/Playback	• HDMI port max output resolution: 1080P	• VGA port max output resolution: 1080P
Decoding Capacity	• 1ch 6MP	• 4ch 1080P@30fps
System Requirements for Web Interface	• MS-Edge • Chrome	• Opera
Recording Performance	Max recording bitrate: 40 Mbps	
Camera Search	WS-Discovery	
Audio and Video Recording	Synchronized audio and video recording	
Compression Format	• H.264 • H.265	• MJPEG
Audio Compression Format	• G.711	• PCM
Video Setting	• Resolution • Bitrate	• Frame rate
Recording Mode	• Schedule • Manual	• Event
Alarm Recording	• Per-alarm: 1.5 MB for mainstream (0.75 MB for substream/channel)	• Post-alarm: 30/40/50/60 seconds/channel

Live View Control	• Digital zoom in/out • Audio enable/disable	• PTZ control • Two-way audio
Playback Mode	• General playback • Event playback	• Smart playback
Overwrite Recording	Auto recycling when disk storage is full	
Video Export	• MP4	• AVI
Event Trigger From IP Camera	• Motion detection • Smart Motion - Person/Vehicle detection • Single Line-crossing detection • Double Line-crossing detection	• Multi-Loitering detection • Wrong-way detection • Illegal parking detection • People counting
Anomaly Alarm	• No disk • Full disk • Network disconnection	• Disk error • Video loss • IP conflict
User Account	Additional accounts can be created to allow users system access and specify authorization.	
System Time	• Sync with NTP server • Manual Input time	• Time Zone • Daylight Saving Time
System Status	• Channel status • HDD status	• System status • Network status
Network Service Protocols	• IPv4/IPv6 • TCP/IP • RTSP • DHCP Client (LAN ports) • DDNS Client • SMTP Client • SNMP • ONVIF Profile S compliant	• HTTP/HTTPS • UDP • NTP Client • DNS Client • IP filtering • 802.1X • PPPoE
User Interface	• Web browser	• Local Control HDMI/VGA
Physical		
Weight	0.62 kg (1.37 lb) (Not Include HDD)	
Power Input	12VDC/2A	
Power Consumption	< 10W (without HDD)	
Temperature	• Operating: -10 ˚C to 50 ˚C (14 ˚F to 122 ˚F)	• Storage: -10 ˚C to 50 ˚C (-14 ˚F to 122 ˚F)
Humidity	Less than 90% RH (non-condensing)	
Certifications	CE/FCC	
Dimensions	254.5 x 224.4 x 43.9 mm (10.02 x 8.83 x 1.73 in) 42.0 [1.65"] 254.5 [10.02"] 224.4 [8.83"] 219.4 [8.64"] 43.9 [1.73"]	
Order Information		
BNR-004	H.265 4-Channel Network Video Recorder	

D-Link®