

JustConnect 16-Channel H.265 PoE Network Video Recorder

All-in-one solution that allows businesses to connect and power up to 16 cameras, as well as simultaneously record and view real-time video streams from on a local network or remotely over the Internet

DNR-4020-16P

Flexible Connectivity

- High-speed Gigabit connection to your network
- 16 PoE ports to connect and power cameras
- External USB storage connectivity for backups

Convenient Interface

- View real-time and recorded video of up to 16 cameras locally or remotely over the Internet
- Supports dual simultaneous display to HDMI and VGA monitors
- Mobile app lets administrators monitor the system remotely on a mobile device
- User-friendly interface provides 16 channels of simultaneous live view, recording, playback, and PTZ control

Full-Featured Functionality

- Supports H.265 and H.264 compression formats
- Two-bay SATA 3.5" HDD interface, up to 8 TB capacity per hard disk drive, maximum capacity of 16 TB¹
- Continuous, scheduled, or event-based recording with automatic overwrite function

All-In-One Solution

- Standalone device, eliminates the need for a dedicated PC
- Supports D-Link network cameras
- Video exporting via USB or to network locations



All-In-One Solution

Standalone NVR solution with no need for additional computer or software



16-Channels

Simultaneously record and view real-time video streams from up to 16 cameras



PoE Capable

16 x 802.3af PoE ports with total PoE power budget of 120 W

H.265 HEVC

High Efficiency Video Coding

Support for the latest H.265 standard to greatly reduce bandwidth and storage requirements



Dual Bay SATA

Up to 16 TB storage with 2 x SATA 3.5" HDD interface, each supporting up to 8 TB capacity



JustConnect+ App

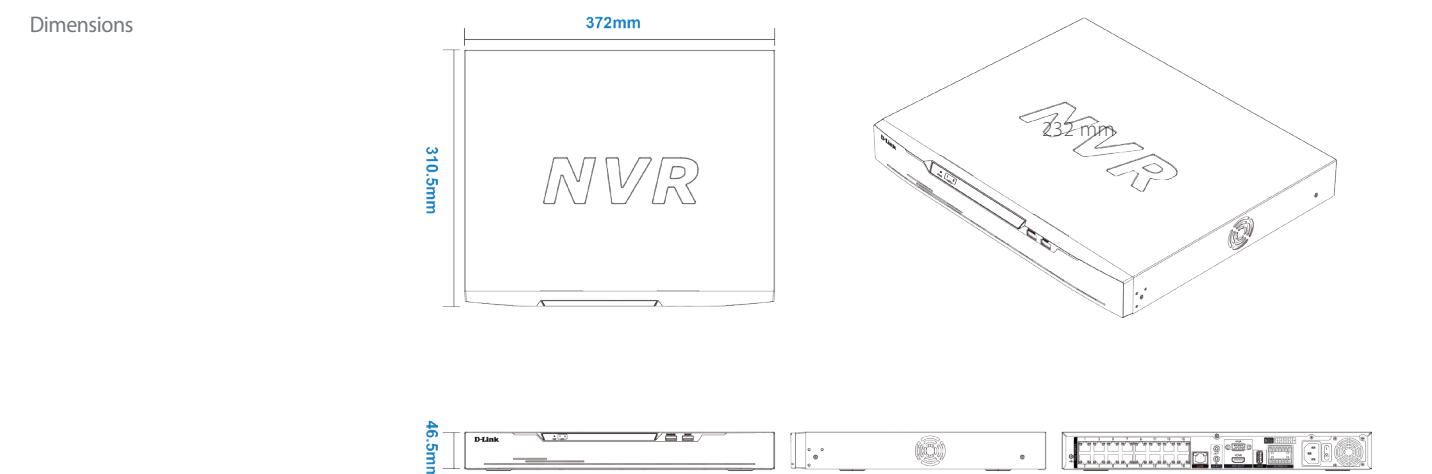
Mobile app allows easy and remote access on a mobile device

General		
Standards	<ul style="list-style-type: none"> • IEEE 802.3x/u/ab • SATA I/II/III 	<ul style="list-style-type: none"> • Auto MDI/MDI-X
HDD ¹	<ul style="list-style-type: none"> • Up to 8 TB capacity per HDD drive² 	
Reset Button	<ul style="list-style-type: none"> • Reset through web GUI 	
Network Interface	<ul style="list-style-type: none"> • Gigabit Ethernet port (10/100/1000 Mbps) 	
I/O Ports	<ul style="list-style-type: none"> • 1 x 10/100/1000 Base-T RJ-45 port • HDMI (supports 4k resolution) • VGA (supports 1080P resolution) 	<ul style="list-style-type: none"> • 3 x USB 2.0 port³ • 3.5 mm audio input x 1, output x 1 • 8 x alarm in, 2 x alarm out
PoE	<ul style="list-style-type: none"> • IEEE 802.3af • 16 x 10/100 Base-T RJ-45 ports 	<ul style="list-style-type: none"> • Supplies up to 15 W per port • 120 W total PoE budget
Cooling	<ul style="list-style-type: none"> • 1 x Fan 	
Features		
Network Client OS	<ul style="list-style-type: none"> • Microsoft Windows 10 	
Supported Cameras	<ul style="list-style-type: none"> • D-Link Vigilance cameras 	<ul style="list-style-type: none"> • D-Link cameras with ONVIF Profile S support
Live View/Playback	<ul style="list-style-type: none"> • HDMI port max output resolution: 4k⁴ 	<ul style="list-style-type: none"> • VGA port max output resolution: 1080p⁵
System Requirements for Web Interface	<ul style="list-style-type: none"> • Full support with Internet Explorer 10 and above 	<ul style="list-style-type: none"> • Partial support for Edge, Chrome, Safari and Firefox
Recording Performance	<ul style="list-style-type: none"> • Max recording bitrate: 112 Mbps 	
Camera Search	<ul style="list-style-type: none"> • WS-Discovery 	
Audio and Video Recording	<ul style="list-style-type: none"> • Synchronized audio and video recording 	
Compression Format	<ul style="list-style-type: none"> • H.264 	<ul style="list-style-type: none"> • H.265
Audio Compression Format	<ul style="list-style-type: none"> • G.711 	<ul style="list-style-type: none"> • AAC
Video Setting	<ul style="list-style-type: none"> • Resolution • Bitrate 	<ul style="list-style-type: none"> • Frame rate • Video profile selection
Recording Mode	<ul style="list-style-type: none"> • Schedule, manual and event-based recording 	<ul style="list-style-type: none"> • Motion-triggered recording
Alarm Recording	<ul style="list-style-type: none"> • Post-alarm: 30/40/50/60 seconds per channel 	
Live View Control	<ul style="list-style-type: none"> • Manual record • Instant playback • Audio enable/disable • PTZ control 	<ul style="list-style-type: none"> • 3D (on screen PTZ) • Digital zoom in/zoom out • Image setting • Two way audio
Playback Control	<ul style="list-style-type: none"> • Normal • Rewind • Play • Stop • Next frame • 30 second forward/backward 	<ul style="list-style-type: none"> • Playback speed adjust (maximum triple speeds) • Audio enable/disable • Start Backup • Batch Backup • 1/6/12/24 hour(s) options • Zoom
Overwrite Recording	<ul style="list-style-type: none"> • Auto recycling when disk storage is full 	
Video Export	<ul style="list-style-type: none"> • Export video to MP4 file format 	
User Account	<ul style="list-style-type: none"> • Additional accounts can be created to allow users system access and specify authorization for camera channels, PTZ, etc. 	
DDNS	<ul style="list-style-type: none"> • No_IP • AutoDNS 	<ul style="list-style-type: none"> • DynDNS
System Time	<ul style="list-style-type: none"> • Sync with NTP server • Manual Input time 	<ul style="list-style-type: none"> • Time Zone • Daylight Saving Time

System Status	<ul style="list-style-type: none"> • Channel status • HDD status 	<ul style="list-style-type: none"> • System status • Network status
Network Service Protocols	<ul style="list-style-type: none"> • IPv4, ARP, TCP, UDP, ICMP • DHCP Server (PoE ports) • DHCP Client (LAN ports) • NTP Client • DNS Client • DDNS Client • SMTP Client 	<ul style="list-style-type: none"> • HTTP/HTTPS Server • RTP • RTSP • RTCP • IP filtering • SNMP v1/v2c/v3
User Interface	<ul style="list-style-type: none"> • HTTP Web browser • Console via HDMI/VGA 	<ul style="list-style-type: none"> • JustConnect+ mobile app

Physical

Weight	• 2.8 kg (No Disk)	
Power Input	• Input: 100 to 240V AC/ 3.0 A, 50 to 60 Hz	• Output: 52 V AC/ 2.5 A, DC 12V/ 5.0A
Power Consumption	• Max. 143 W	
Temperature	• Operating: 0 to 40 °C	• Storage: -20 to 70 °C
Humidity	• Max of 90% non-condensing	
Certifications	<ul style="list-style-type: none"> • CE • FCC 	• RoHS



¹ Hard disks are not included.
² Supports up to 2 hard disks of up to 8 TB each for a total of 16 TB.
³ Supports mouse and flash disk.
⁴ 1 channel support 4k, 1-4 channels support 1080p and 8-16 channels support D1 resolution.
⁵ 1-4 channels support 1080p and 8-16 channels support D1 resolution.