



Network 16 Channel NVR BD16NVR2U



- Video formats from H.264 to H.265+
- Up to 16 IP camera inputs
- Up to 16 channels @ 4 MP decoding capacity
- Up to 256 Mbps incoming bandwidth

Feature	Details
Video and Audio	
IP Video Input	16 channels, up to 32 MP resolution
Incoming Bandwidth	256 Mbps
Outgoing Bandwidth	256 Mbps
HDMI 1 Output	8K: 7680 × 4320 / 30 Hz 4K: 3840 × 2160 / 60 Hz; 3840 × 2160 / 30 Hz 2K: 2560 × 1440, 1920 × 1080, 1600 × 1200, 1280 × 1024, 1280 × 720, or 1024 × 768 / 60 Hz
HDMI 2 Output	4K: 3840 × 2160 / 60 Hz; 3840 × 2160 / 30 Hz 2K: 2560 × 1440, 1920 × 1080, 1600 × 1200, 1280 × 1024, 1280 × 720, or 1024 × 768 / 60 Hz
VGA Output	1920 × 1080, 1600 × 1200, 1280 × 1024, 1280 × 720, or 1024 × 768 / 60 Hz
Video Output Mode	HDMI1 / VGA simultaneous output, HDMI2 / VGA independent output
CVBS Output	1 ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
Audio Output	1 ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1 ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)
Decoding	
Decoding Format	H.265+ / H.265 / H.264+ / H.264
Recording Resolution	32, 24, 12, 8, 6, 5, 4, 3 MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
Synchronous Playback	16 channels
Decoding Capability	8 ch @ 8 MP (25 fps) / 16-ch @ 4 MP (30 fps)
Dual-Stream Recording	Supported
Stream Type	Video, Video & Audio
Audio Compression	G.711 ulaw / G.711 alaw / G.722 / G.726 / AAC / MP2L2

Network	
Remote Connection	128
Network Protocols	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Network Interface	2 x RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces
RAID	
RAID Type	N/A
Auxiliary Interface	
eSATA	1 eSATA interface
SATA	4 SATA interfaces
Capacity	Up to 14 TB capacity for each disk
Serial Interface	2 x RS-485 (half-duplex), 1 RS-232
Alarms In / Out	16 / 9
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Ctrl 12 V	Controllable 12 VDC, 1 A power output for external alarm device; power will be turned on when the alarm output is triggered. Note: The Ctrl 12V power is controlled by alarm output 9.
DC 12 V	12 VDC, 1 A power output
General	
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 15 W (without HDD)
Operating Temperature	14° to 131° F (-10° to 55° C)
Operating Humidity	10% to 90%
Chassis	19-inch rack-mounted 1.5U chassis
Dimensions (W × D × H)	17.5 × 15.7 × 3.0 in. (445 × 400 × 75 mm)
Weight (without HDD)	≤ 11 lbs (5 kg)

Certifications	
FCC	Part 15 Subpart B, ANSI C63.4-2014
CE	EN 55032:2015+A1:2020, ENIEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019, EN 50130-4:2011+A1:2014, EN 55035:2017+A11:2020
Physical Interface	
1	eSATA interface
2	LAN 1 and LAN 2 interfaces
3	Audio in and audio out
4	HDMI 1 and HDMI 2 interfaces
5	VGA output
6	RS-232 serial interface
7	USB 3.0 interface
8	CVBS video output
9	Alarm in, alarm out, RS-485, Ctrl 12V and DC 12V
10	GND
11	100 to 240 VAC power supply
12	Power switch

