

Data Sheet

AL-NVR5040-8DRAID

40CH SMART NETWORK VIDEO RECORDER

40CH 8SATA RAID NVR

- Connectable to the third-party network cameras
- Up to 40 IP cameras can be connected
- Live view and playback Up to 16MP resolution
- 8 SATA interfaces, up to 24TB for each HDD
- S+265 compression reduces storage space up to 75%
- 2 self-adaptive 10/100/1000Mbps network interfaces
- Centralized management of IP cameras
- Two-way audio communication
- VCA detection alarm is supported
- Web version6, Plug-in-free & supports all browsers
- Heatmap, Auto Tracking & On duty detection
- Smart search for playback area
- Certification: BIS, CE & FCC



16MP NETWORK VIDEO RECORDER

The Alcon AL-NVR5040-8DRAID NVR is for the Smarter generation. It is a Smart Enterprise NVR which supports up to 40CH 12MP IP camera input and recording. It Supports Smart Recording, Smart Search and Smart Plug and Play. It Supports any 3rd party OEM IP camera with ONVIF compliance. The Alcon Premium Series NVR also supports intelligent video analytics like Face Detection, People Counting and many other features.

Video Recording & Management

High-Resolution Recording: Supports HD, Full HD and even higher resolutions for detailed surveillance.

Smart Recording: Optimized recording based on motion detection, schedules, or events.

Video Compression: Efficient formats like H.264, H.265, or H.265+ reduce storage requirements without compromising quality.

Customizable Recording Modes: Continuous recording, Motion-based recording & Event-triggered recording

Remote Access & Monitoring

Mobile & Desktop Apps: Provides live viewing and playback via smartphones, tablets, or PCs.

Web Access: Access video feeds via web browsers using IP addresses or dedicated portals.

Multi-Site Monitoring: Centralized viewing of feeds from multiple NVRs in different locations.

Connectivity & Compatibility

ONVIF Compliance: Ensures compatibility with a wide range of IP cameras from different manufacturers.

AI & Smart Analytics

VCA: Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification

Ease of Use

Plug-and-Play Setup: Simplifies installation with auto-camera detection.

User-Friendly Interface: Intuitive menus and graphical displays for configuration and monitoring.

Firmware Updates: Ensures up-to-date security and feature enhancements.

Scalability

Expandable Channels: Easily add more cameras as surveillance needs grow.

Integration with VMS: Works with Video Management Software for enterprise-level solutions.

Security & Alerts

Encryption: Protects video streams during transmission and storage.

Multi-User Access Control: Role-based permissions to restrict unauthorized access.

Real-Time Alerts: Notifications for motion, tampering, or system failures via email, SMS, or apps.



Hospital



Industries



Office



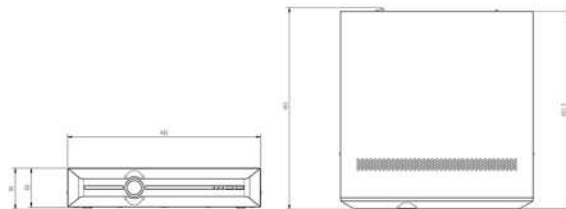
Apartment

SPECIFICATION

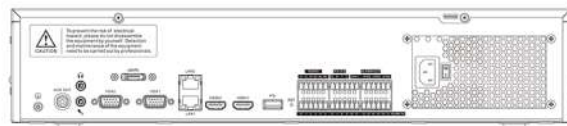
Video and Audio		AL-NVR5040-8DRAID
Access Channel		40
Incoming Bandwidth		640Mbps
Outgoing Bandwidth		320Mbps
Resolution		16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Preview Decoding Capability		16MP(30fps)×3, 12MP(30fps)×4, 8MP(30fps)×6, 6MP(30fps)×8, 5MP(30fps)×9, 4MP(30fps)×12, 3MP(30fps)×16, 1080P(30fps)×24, 720P(30fps)×40, 4CIF(30fps)×40
Playback Decoding Capability		16MP(30fps)×3, 12MP(30fps)×4, 8MP(30fps)×6, 6MP(30fps)×8, 5MP(30fps)×9, 4MP(30fps)×12, 3MP(30fps)×16, 1080P(30fps)×16, 720P(30fps)×16
Third-party Camera Access		ONVIF; RTSP
HDMI Output		HDMI: 800×600(60Hz), 1024×768(60Hz), 1280×720(50Hz/60Hz), 1280×800(60Hz), 1366×768(60Hz), 1440×900(60Hz), 1920×1080(50Hz/60Hz), 2560×1440(30Hz/60Hz), 2560×1600(60Hz), (4K)3840×2160(30Hz/60Hz)
VGA Output		VGA: 800×600(60Hz), 1024×768(60Hz), 1280×720(50Hz/60Hz), 1280×800(60Hz), 1366×768(60Hz), 1440×900(60Hz), 1920×1080(50Hz/60Hz)
Multi-screen Display		Independent Output: HDMI1/VGA1: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40 HDMI2/VGA2: 1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/25/32/36/40
Audio Input		1-ch, 3.5mm
Audio Output		1-ch, 3.5mm; BNC
Two-Way Audio		1-ch, 3.5mm, using the audio input
Compression		
Video		S+265; H.265; S+264; H.264
Audio		G711A; G711U; AAC; ADPCM_DIV4
Stream Type		Video; Video & Audio
Network		
Network Protocol		ARP; DDNS; DHCP; DNS; Easy DDNS; FTP; HTTP; HTTPS; ICMP; IGMP; IPv4; IPv6; Multicast; NFS; NTP; PPPoE; RTCP; RTP; RTSP; SMB/CIFS; SMTP; SNMP v1; SRTP; SSH; SSL; TLSv1.2, TLSv1.3; TCP/IP; UDP; Unicast; UPnP
Mobile Phone Access		Android; iOS; P2P
System Compatibility		ONVIF(Profile S/T/G); RTSP; CGI; SDK
Web		IE10+; Firefox52+; Edge89+; Safari11+; Chrome57+
Record Playback		
Multi-channel Playback		16
Record Mode		Manual Recording; Alarm Recording; Schedule Recording
Storage Method		Local HDD, eSATA
Backup		USB storage device, eSATA, Network
Playback Function		Play/Pause/Stop/Slow/Speed/Backwards 30s/Forwards 30s/Full Screen/Backup (Video Editing)/Step/Digital Zoom
Dual Stream Record		Yes
Alarm		
General Alarm		Motion Detection; Mask Alarm; Alarm Input(IPC); Alarm Input(NVR); Manual Alarm
Exceptions Alarm		Video Loss; IP Conflict; MAC Conflict; Network Disconnected; No Disk; Illegal Access; Disk group space alert; Disk Full; Disk R/W Error; Recording Abnormal; Abnormal found in smart of disk; Abnormal temperature of the disk; Hot-spare Exception; Array Exception; Voltage Alarm(IPC); RTC Failure
Intelligent Analytics		
AI by Camera		Tripwire; Double Tripwire; Perimeter; Object Abandon; Object Missing; Loiter; Running; Parking; Heatmap; Video Abnormal; Audio Abnormal; License Plate Recognition; On Duty Detection; Crowd Detection; Parking Guard; Safety Helmet Detection; Electric Bicycle Detection; People Counting; Link to Tracking; Smoke and Fire Detection; Environmental Temperature Measurement; Face Detection; Human Body Temperature Measurement; Smart Motion; Face Recognition; Human/Vehicle Classification
VCA Search		Heatmap; Early-warning Search; Behavior Search; License Plate Search; Safety Helmet Search; Thermographic Retrieval; Duty Search; Electric Bicycle Retrieval; Face Search
Face Detection		
Face Attributes		Gender; Age; Glasses; Face Mask; Body Temp.
Face Recognition		
Face Picture Library		Up to 300 face libraries Up to 100000 base images
Face Picture Comparison		Face Picture Comparison (Cooperate with facial recognition IPC)

Storage	
HDD Capacity	Up to 24 TB capacity for each HDD
Disk Group	8 Disk Group
RAID	JBOD, RAID0, RAID1, RAID5, RAID6, RAID10
External Port	
eSATA	1×eSATA
USB	2×USB2.0; 1×USB3.0
HDMI	2×HDMI(supports up to 4K resolution output)
VGA	2×VGA
Network Interface	2×RJ-45, 10/100/1000 Mbps self-adaptive Ethernet port
SATA	8×SATA interface
RS232	1×RS232
RS485	2×RS485
Alarm I/O	16-ch, TTL inputs, 3mA, 3.3VDC; 4-ch, relay outputs, 1A, 24VDC
General	
UI Language	English; Spanish; Korean; Italian; Turkish; Russian; Thai; French; Polish; Dutch; Hebrew; Arabic; Vietnamese; German; Ukrainian; Portuguese; Albanian
Power Supply	100~240V AC
Power Consumption	<18W(HDD not included, idling)
NetWeight	7.65Kg
GrossWeight	10.03Kg
Boundary Dimensions	440(L)460(W)94(H)mm
Package Dimensions	565(L)565(W)220(H)mm
Operating Temperature	-10°C~+55°C(+14°F~+131°F)
Operating Humidity	10%~90%RH (non-condensing)
Storage Temperature	-20°C~+60°C (-4°F~+140°F)
Package Kit	Network Video Recorder; Screw Pack; Mouse; European Standard Power Cord; 2×Ear Plate; 8×SATA Hard Disk Data Cable
Certification	CE, FCC, BIS & RoHS

DIMENSIONS



Physical Interfaces



ORDERING INFORMATION

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*Product specifications and availability are subject to change without notice.

