

Platinum 256 Ch 8K Direct Search NVR LTN07256D-R16



- Supports up to 32 x 1080p decoding capacity
- Compatible with H.265+/H.265/H.264+/H.264 video compression formats
- Connects up to 256 IP camera channels
- Advanced intelligent analytics, including facial recognition, perimeter protection, video structuring, and Direct Search
- Supports up to 8-ch IP audio speaker
- RAID 0, 1, 5, 6, 10, and N+M hot spare supported for enhanced data reliability and protection against data loss
- HDMI video output supporting resolutions up to 8K
- Redundant power supply design for improved system stability

▪ Specification

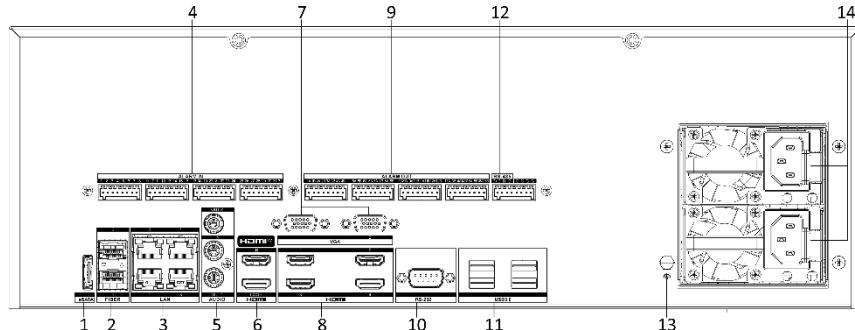
Intelligent Analytics

AI by NVR	Facial recognition, perimeter protection, video structuralization * The NVR's built-in facial recognition feature cannot be used simultaneously with Direct Search or VCA.
AI by Camera	Facial recognition, perimeter protection, video structuralization, Direct Search, motion detection2.0, ANPR, people counting, VCA
Facial Recognition	
Facial Recognition Capabilities	Face picture comparison, human face capture, face picture search
Face Picture Library	Up to 64 face picture libraries, up to 300,000 face pictures in list library (each picture ≤ 4 MB, total capacity ≤ 10 GB)
Face Picture Comparison by camera (Captured from Camera)	MAX 16-ch, require a compatible face capture cameras Comparison speed: 24 pictures per second
Facial Recognition and Analytics Performance by NVR	Simultaneous mode: MAX 8-ch, up to 2 MP independent mode: MAX 4-ch, up to 2 MP. * Performed without a compatible face capture camera
Direct Search	
By Camera	All channels, up to 345,600 targets per day Note: The camera should enable Direct Search function.
Perimeter Protection	
By NVR	Simultaneous mode: 8-ch, up to 2 MP independent mode: 4-ch, up to 2 MP.
By Camera	All channels
Video Structuralization	
Structured Analysis	Simultaneous mode: 8-ch, up to 2 MP independent mode: 4-ch, up to 2 MP.
Face Picture Library	Up to 64 face picture libraries, up to 300,000 face pictures in list library (each picture ≤ 4 MB, total capacity ≤ 10 GB)
Face Picture Comparison	16-ch; Comparison speed: 24 pictures per second
Video and Audio	
IP Video Input	256-ch Up to 32 MP resolution
Incoming Bandwidth	1280Mbps
Outgoing Bandwidth	1024Mbps
Incoming Bandwidth (RAID Mode)	640Mbps
Outgoing Bandwidth (RAID mode)	512Mbps
HDMI 1 Output	4K (4096 × 2160)/30 Hz, 4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1080P (1920 × 1080)/60 Hz
HDMI 2 Output	4K (4096 × 2160)/30 Hz, 4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1080P (1920 × 1080)/60 Hz
HDMI 3 Output	8K (7680 × 4320)/30 Hz, 4K (4096 × 2160)/30 Hz, 4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1080P (1920 × 1080)/60 Hz
HDMI 4 Output	1080P (1920 × 1080)/60 Hz

VGA 1 Output	1080P (1920 × 1080)/60 Hz
VGA 2 Output	1080P (1920 × 1080)/60 Hz
Video Output Mode	Mode 1 (default output mode): simultaneous output with 1080p resolution; Mode 2 (simultaneous output): HDMI 1, VGA 1, HDMI 2, VGA 2, HDMI 3, and HDMI 4 provide simultaneous output, the maximum resolution for VGA 1/VGA 2/HDMI 4 is 1080p, the maximum resolution for HDMI 1/HDMI 2/HDMI 3 is 4K; Mode 3 (independent output and 8K HDMI 3 output resolution): HDMI 1/VGA 1/HDMI 2/VGA 2, HDMI 3, and HDMI 4 provide independent output respectively. The maximum resolution is 8K + 4K + 1080p; Mode 4 (independent output and HDMI 3 output resolution ≤ 4K): HDMI 1/VGA 1, HDMI 2/VGA 2, HDMI 3, and HDMI 4 provide independent output respectively. The maximum resolution is 4K + 4K + 4K + 1080p.
HDMI Input	1-ch
HDMI Loopback	1-ch (matching the HDMI input)
Audio Output	2-ch, RCA (Linear, 1 kΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 k Ω)
Decoding	
Decoding Format	H.265/H.265+/H.264/H.264+
Decoding Capability	2-ch@32 MP (30 fps)/2-ch@24 MP (30fps)/4-ch@16 MP (30fps)/8-ch@8 MP (30fps)/16-ch@4 MP (30fps)/32-ch@2 MP (30fps)
Synchronous Playback	16-ch
Recording Resolution	32 MP/24 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF
Network	
Remote Connection	512
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS, ONVIF (version 2.2), OTAP
API	ONVIF (profile S/T); SDK; ISAPI
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
Network Interface	4, RJ-45 10/100/1000/2500 Mbps self-adaptive Ethernet interface 2, SFP 1000 Mbps Optical Port
Camera Access Protocol	ONVIF (version 2.5), RTSP
RAID	
RAID Type	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
Auxiliary Interface	
SATA	16 SATA interfaces; 3.5-inch HDD
eSATA	1 eSATA interface
Capacity	Up to 20 TB capacity for each HDD
Serial Interface	1 RS-232, 2 RS-485 (half-duplex)
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 4 × USB 3.0
Alarm In/Out	32/16

General	
GUI Language	English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish Language, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz, Brazilian Portuguese, Indonesian
Power Supply	100 to 240 VAC, 50 to 60 Hz, redundant power supply
Consumption	≤ 100 W (without HDD)
Working Temperature	-10 to 55°C (14 to 131°F)
Working Humidity	10 to 90%
Dimension (W × D × H)	442 mm × 497 mm × 146 mm (17.4 × 19.5 × 5.7 inch)
Weight	≤ 12 kg (without HDD, 28.7 lb.)
Certification	
Obtained Certification	CE, IC, CB, RoHS, REACH, WEEE, RCM, UKCA, LOA
CE	EN 55032:2015+A1:2020, EN IEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019, EN 50130-4:2011+A1:2014, EN 55035:2017+A11:2020

▪ Physical Interface



No.	Description	No.	Description
1	eSATA interface	8	HDMI interfaces
2	Fiber	9	Alarm out
3	LAN interfaces	10	RS-232 serial interface
4	Alarm in	11	USB 3.0 interfaces
5	Audio in and out	12	RS-485 serial interface
6	HDMI input and HDMI loopback	13	GND
7	VGA 1 and VGA 2 interfaces	14	Power supply

▪ Dimension

