

Platinum 16 Ch 4K NEW Semantic Search DeepVision NVR LTN8616DV-P16



- H.265+/H.265/H.264+/H.264 video formats
- Intelligent analytics based on Large-Scale AI Models
- Up to 16-ch DeepVision and Direct Search function
- Up to 8-ch facial recognition for face picture
- Up to 16-ch IP camera inputs
- Up to 16-ch 4MP decoding capability

▪ Function

Compression and Recording

- H.265+ compression effectively reduces the storage space by up to 75%
- Full channel IP cameras connection
- Compatible to third-party network cameras

HD Video Output

- Provide independent HDMI and VGA outputs
- HDMI video output at up to 4K resolution

Storage and Playback

- Up to 2 SATA interfaces for HDD connection
- 16-ch synchronous playback at up to 1080p resolution

Smart & POS Function

- Support multiple VCA (Video Content Analytics) events
- Integrates SmartSearch, Direct Search, and DeepVision functions for optimized playback efficiency
- POS triggered recording and alarm, POS information overlay on live view and playback

Network & Ethernet Access

- 16 independent PoE network interfaces
- 1 self-adaptive 10/100/1000 Mbps Ethernet interfaces
- LTS Connect & DDNS (Dynamic Domain Name System) for easy network management



▪ Specification

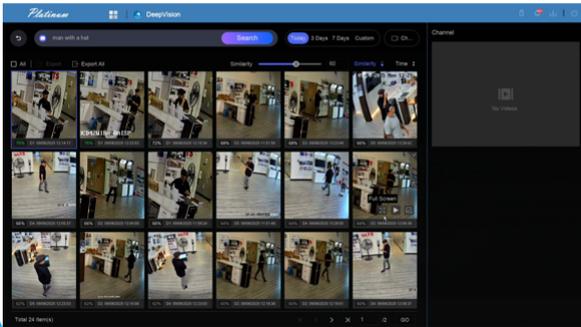
Intelligent Analytics	
AI by NVR	Facial recognition * The NVR's built-in facial recognition feature cannot be used simultaneously with Direct Search or DeepVision.
AI by Camera	Facial recognition, perimeter protection, video structuralization, Direct Search, motion detection 2.0, ANPR, people counting, DeepVision
Engine	2 engines. 1 is for face picture and Direct Search. 1 is for DeepVision
Facial Recognition	
Face Picture Library	Up to 16 face picture libraries, with up to 50,000 face pictures in total (each picture ≤ 512 KB, total capacity ≤ 1 GB)
Face Picture Comparison by camera (Captured from Camera)	MAX 8-ch, require a compatible face capture cameras
Facial Recognition Capabilities	Face picture comparison, human face capture, face picture search
Facial Recognition and Analytics Performance by NVR	MAX 4-ch human face capture (HD network camera, up to 8 MP, H.264/H.265) * Performed without a compatible face capture camera
Direct Search	
Performance	If Direct Search-capable cameras are connected and the Direct Search function is enabled, the NVR supports Direct Search across all channels and can model up to 300,000 targets per day.
DeepVision	
Performance	If the cameras support VCA2.0 or above Technology and have enabled Direct Search function, the NVR supports DeepVision in all channels, capable of modeling 300,000 targets/day.
Search Language	English
ANPR	
By Camera	All channels
Vehicle Attributes	Plate number, license plate color, license plate type
Plate Attributes	Vehicle brand, vehicle color, vehicle type
Video and Audio	
IP Video Input	16
Incoming Bandwidth	192 Mbps
Outgoing Bandwidth	256 Mbps
HDMI Output	4K (3840 × 2160)/30 Hz, 2K (2560 × 1440)/60 Hz, 1920 × 1080/60 Hz, 1280 × 720/60 Hz
VGA Output	1920 × 1080/60Hz, 1280 × 720/60Hz
Video Output Mode	HDMI/VGA independent output
CVBS Output	NA
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Decoding	
Decoding Format	H.265, H.265+, H.264, H.264+, MPEG4
Recording Resolution	32MP/24MP/12MP/8MP/7MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF

Synchronous playback	16-ch
Live View Window Division	1/4/6/8/9/16
Dual-Stream Recording	Support
Aux Port Window Division	1/4/6/8/9/16
Stream Type	Video, Video & Audio
Decoding Capability	Enable AI by NVR: up to 10-ch@4MP (30 fps) Disable AI by NVR: up to 16-ch@4MP (30 fps)
Audio Compression	G.711ulaw,G.711alaw,G.722,G.726,MP2L2
Network	
Network Interface	1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE	
Interface	16, RJ-45 10/100 Mbps self-adaptive Ethernet interface
Power	≤ 200W
Standard	IEEE 802.3 af/at
Auxiliary Interface	
SATA	2 SATA interfaces
Capacity	Up to 20 TB capacity for each disk
Serial Interface	NA
Alarm In/Out	4/1
USB Interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 3.0
General	
Power Supply	≤ 180 W
Consumption	≤ 50W
Working Temperature	-10°C ~ + 55°C
Working Humidity	10% ~ 90%
Chassis	1U
Dimension (W × D × H)	384 × 371 × 52 mm (15.12" × 12.48" × 2.03")
Weight	≤ 4 kg (6.6 lb)
Certification	
Obtained Certification	CE, CB, REACH, WEEE, UKCA, RCM,IC,LOA,KC
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4

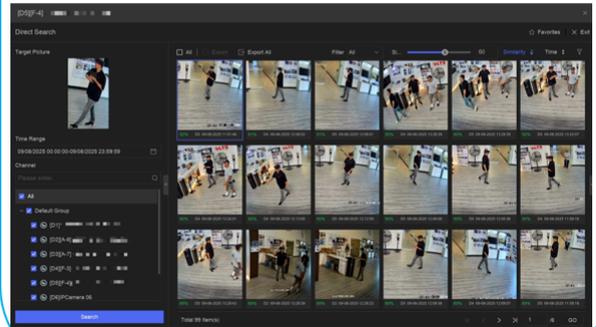
▪ Typical Application

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① Using the DeepVision function, users can input target characteristic descriptions to search for corresponding targets. Then system will return search results matching the description.

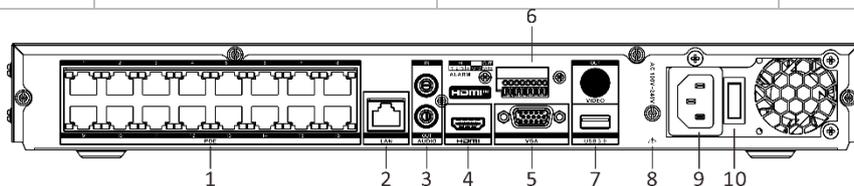


② Once the target is identified, use the Direct Search function to retrieve all capture of the target across all channels and trace historical events.



Physical Interface

No.	Description	No.	Description
1	Network interfaces with POE function	6	Alarm in and out
2	LAN interface	7	USB 3.0 interface
3	Audio in and out	8	GND
4	HDMI interface	9	Power supply
5	VGA interface	10	Power switch



Dimension



