

## LTN07128-R16

### Platinum Enterprise Level 128-Channel NVR 3U



## Features and Functions

### Professional and Reliable

- The LTN07128-R16 design makes HDD installation and maintenance simple & convenient. The unique chassis is based on a patented design that is environmental friendly and low noise.
- The professional embedded hardware and software, and pioneering dual-OS design all ensure high reliability.
- Supports redundant power supply to improve stability.
- ANR technology enhances storage reliability when if the network gets disconnected.
- Supports HDD hot swapping with RAID 0, 1, 5, 6, and 10 options.
- Either normal or hot spare operating mode is configurable to constitute an N+1 hot spare system.

### HD Input

- Compatible with third-party network cameras including Hikvision, ACTI, Arecont, AXIS, Bosch, Brickcom, Canon, ONVIF, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Vivotek, and Zavio.
- Up to 128 IP cameras can be connected.
- Supports live view, storage, and playback of connected cameras at up to 12 Megapixel resolution.

### HD Output

- Simultaneous HDMI 1 / VGA output as the main output and the HDMI 2 works as the auxiliary output.
- Video renders at up to 4K (4096 × 2160) resolution.
- Supports decoding up to 20 channels at 1080p resolution.

### HD Storage

- Up to 16 SATA hard drives can be connected, for both recording and backup.

### HD Transmission

- Four self-adaptive 10M/100M/1000M network interfaces.

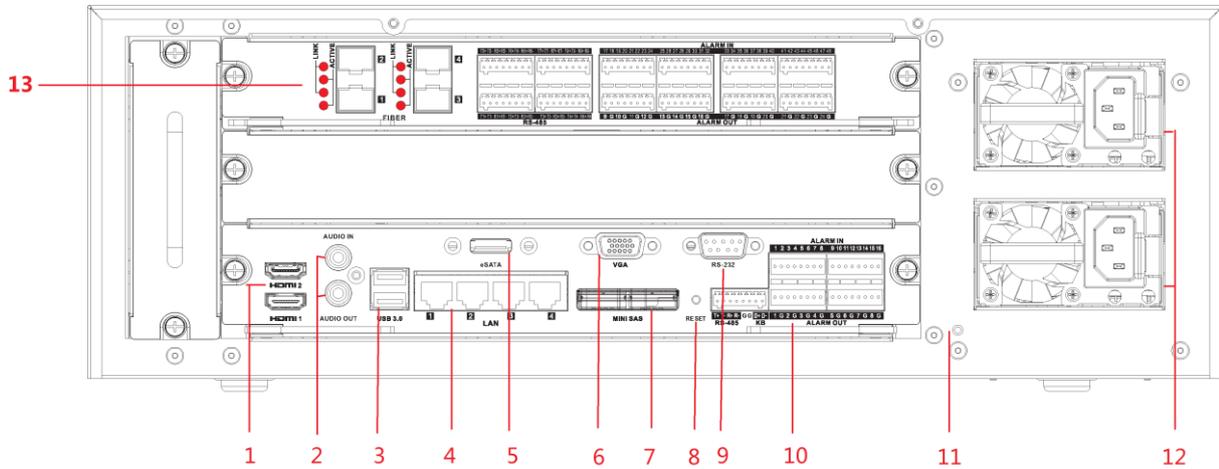
### Various Applications

- Centralized management of IP cameras is supported, including configuration, information import/export, real-time information display, two-way audio, upgrade, and more.
- Compatible with smart IP cameras and the recording, playing back, and back up of VCA alarms is also supported.
- VCA detection alarm is supported.
- VCA search for face detection, behavior analysis, people counting and heat mapping.
- Supports one-key recording.
- Instant playback on assigned channels during multi-channel display mode.
- Smart search for the selected area in the video; smart playback to improve playback efficiency.
- Supports HDD quota and group modes; each capacity can be assigned to a specified channel.

## Specifications

Audio / video input	IP video input	128 channels
	Incoming / outgoing bandwidth	576 Mbps / 512 Mbps
	Incoming / outgoing bandwidth (RAID mode)	576 Mbps / 512 Mbps
	Protocols	HIKVISION, ACTi, ARECONT, AXIS, BOSCH, BRICKCOM, CANON, HUNT, ONVIF (Version 2.5), PANASONIC, PELCO, PSIA, RTSP, SAMSUNG, SONY, VIVOTEK, ZAVIO
Audio / video output	HDMI output	Two independent HDMI outputs at 4K. Resolutions: <b>4K:</b> 4096 × 2160, 3840 × 2160 / 30 Hz <b>2K:</b> 2560 × 1440 / 60 Hz; <b>1080p:</b> 1920 × 1080 / 60 Hz; <b>UXGA:</b> 1600 × 1200 / 60 Hz; <b>SXGA:</b> 1280 × 1024 / 60 Hz; <b>720p:</b> 1280 × 720 / 60 Hz; <b>XGA:</b> 1024 × 768 / 60 Hz
	VGA output	1 ch. resolution: <b>1080p:</b> 1920 × 1080 / 60 Hz; <b>UXGA:</b> 1600 × 1200 / 60 Hz; <b>SXGA:</b> 1280 × 1024 / 60 Hz; <b>720p:</b> 1280 × 720 / 60 Hz; <b>XGA:</b> 1024 × 768 / 60 Hz
	Audio output	1-ch. RCA (2.0 Vp-p, 1 KΩ)
Audio / video decoding	Decoding format	H.265+ / H.265 / H.264+ / H.264 / MPEG4,
	Video resolution	3, 4, 5, 6, 7, 8, 12 MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
	Synchronous playback	Up to 16 channels
	Capability	20 ch @ 1080p
HDD	Interface	16 SATA interfaces supporting hot-swapping
	Capacity	Up to 10 TB for each HDD
RAID	Configurations	RAID 0, RAID 1, RAID 5, RAID 6, and RAID 10
Network management	Protocols	IPv6, HTTPS, UPnP, SNMP, NTP, SADP, SMTP, NFS, iSCSI, PPPoE, DDNS
	Network interface	4 x RJ45 10M/100M/1000M self-adaptive Ethernet interface
External interface	Two-way audio input	1 ch, RCA (2.0 Vp-p, 1 KΩ)
	Serial port	1 x RS-485, Keyboard
	USB interface	Front Panel: 2 × USB 2.0; Rear Panel: 2 × USB 3.0
	Alarm input / output	16 / 8
	Extension board	One extension board is supported with four 10M/100M/1000M optical interfaces (1.25 Gbps SFP module), eight RS-485 interfaces, and alarm interface of 32 alarm inputs and 16 alarm outputs.
	Decoding board	1
General	Power supply	100 to 240 VAC, 550 W
	Fan	Redundant dual ball bearing fan; Speed adjustable; Hot-plug
	Consumption (without HDD)	≤ 140 W
	Operating temperature	32° to 122° F (0° to + 50° C)
	Operating humidity	10% to 90%
	Chassis	3U
	Dimensions (W × D × H)	17.4 × 19.4 × 5.7 in. (442 × 494 × 146 mm)
	Weight (without HDD)	≤ 35.3 lbs (16 kg)

## Physical Interfaces



No.	Name	No.	Name
1	HDMI 1/2 Video Output	9	RS-232 Interface
2	Audio Input	10	Alarm Input
	Audio Output		Alarm Output
3	USB 3.0		RS-485 Interface
4	LAN	Keyboard Interface	
5	eSATA Interface	11	Ground
6	VGA Video Output	12	Power Supplies
7	Mini SAS Interface	13	Fiber Board
8	Reset Button		