

## **ST-NVR-128**

### **128 Channel H.265 Network Video Recorder with RAID**



The UltimatePro series of high performance large data storage Network Video Recorders with RAID (Redundant Array of Independent Disks), ideal for any environment where server level performance, advanced features and data retention are critical and data losses due to hard drive failure is simply unacceptable. Model ST-NVR-128 supports up to 128 cameras, advanced analytics, real-time live view up to 4K resolution, and video playback of up to 20 channels simultaneously.

#### **Enterprise Server Level Performance**

- Unlike standard performance processors in most NVR's, the UltimatePro NVR has a high grade processor for rendering a large number of video feeds simultaneously.

#### **High Camera Volume**

- Supports up to 128 cameras with 576 Mbps incoming bandwidth, ideal for hotels, casinos, airports, malls, and other commercial applications.

#### **Video Content Analytics**

- Line crossing, face detection, object placement/removal, and more provide configurable intelligent recording options.

#### **System Stability**

- Hot Swappable HDD design provides convenient HDD installation and maintenance, Dual-OS (Operating System) ensures stable operation in the event of OS failure, ANR (Automatic Network Replenishment) automatically restores video data from IP Cameras storage following temporary interruption of connectivity.

#### **Massive Storage Capacity**

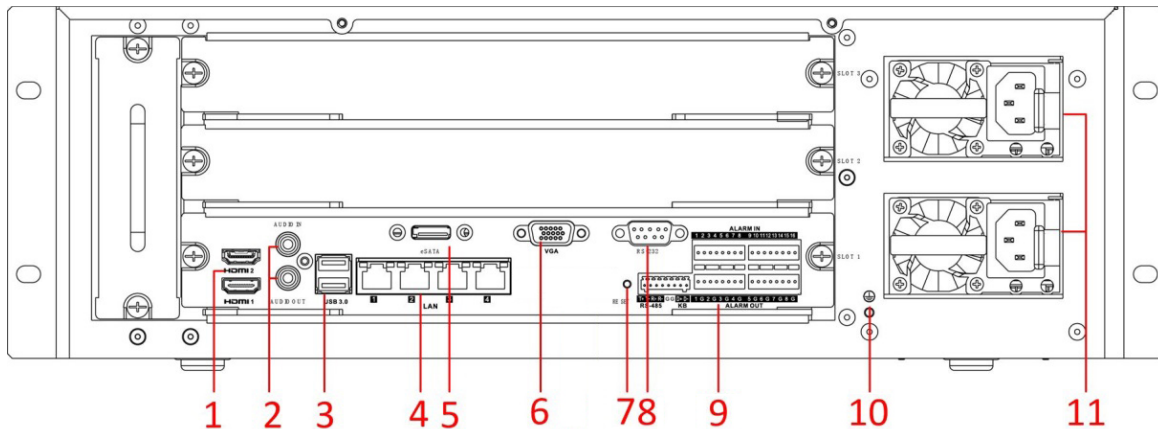
- Supports HDD total up to 160 TB, ideal for applications requiring 24/7 recording schedules or extended video retention times, such as schools, banks, and hospitals.

#### **Video Output**

- Dual Independent HDMI output
- HDMI output at up to 4K (3840 x 2160) resolution

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## Dimensions and Specifications



### Diagram Reference

1	HDMI 1/2 Video Output	5	eSATA Interface	9	Alarm Input / Output, RS-485 Interface
2	Audio Input / Output	6	VGA Video Output	10	Ground
3	USB 3.0 Interface	7	Reset Button	11	Power Supplies
4	LAN Interface	8	RS-232 Interface		

Video/Audio Input	
IP video input	128 Channels, up to 12MP resolution
Decoding format	H.265, H.265+, H.264, H.264+, MPEG4, MJPEG (for Hikvision IP camera only)
Video resolution	12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Protocol	HIKVISION, ACTI, ARECONT, AXIS, BOSCH, BRICKCOM, CANON, HUNT, ONVIF (Version 2.5), PANASONIC, PELCO, RTSP, SAMSUNG, SONY, VIVOTEK, ZAVIO

External Interface	
Network interface	4 x RJ45 10M/100M/1000M self-adaptive Ethernet interface
Serial interface	RS-232; RS-485; Keyboard
USB interface	Front Panel: 2 x USB 2.0; Rear Panel: 2 x USB 3.0
Alarm in/out	16/8
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)

Network Management	
Remote connections	128
Incoming Bandwidth	576 Mbps
Outgoing Bandwidth	512 Mbps
Network protocols	IPv6, HTTPS, UPnP, SNMP, NTP, SAMP, SMTP, NFS, iSCSI, PPPoE, DDNS

Hard Disk	
SATA	16 SATA interfaces supporting hot-plug
eSATA	1 x eSATA interface
Capacity	Up to 10 TB for each HDD
Array type	RAID0, RAID1, RAID5, RAID 6, and RAID10

Video/Audio Output	
HDMI output	2 x independent HDMI outputs - 4K (4096 x 2160), 4K (3840 x 2160)/30Hz, 2K (2560 x 1440)/60Hz, 1080p (1920 x 1080)/60Hz, UXGA (1600 x 1200)/60Hz, SXGA (1280 x 1024)/60Hz, 720p (1280 x 720)/60Hz, XGA (1024 x 768)/60Hz
VGA output	1080p (1920 x 1080)/60Hz, UXGA (1600 x 1200)/60Hz, SXGA (1280 x 1024)/60Hz, 720p (1280 x 720)/60Hz, XGA (1024 x 768)/60Hz
Audio output	1-ch. RCA (2.0 Vp-p, 1 KΩ)
Synchronous playback	Up to 16 channels
Capability	20-ch@1080p

General	
Power supply	100 to 240 VAC, 550W
Fan	Redundant dual ball bearing fan; Speed adjustable; Hot-plug
Consumption (without HDD)	≤ 140W
Working temperature	0 °C to + 50 °C (32 °F to 122 °F)
Working humidity	10% to 90%
Chassis	3U
Dimensions (W x D x H)	442 x 494 x 146 mm (17.4 x 19.4 x 5.7 inch)
Weight (without HDD)	≤ 16 kg (35.3 lb)