



## **ST-ES-16NVR**

High Megapixel POE  
Network Video Recorder

# FEATURES

- Support up to 4K High Resolution Video, H.264 Recording and Playback
- Up to 128 IP Channels Input
- Built-in 8 / 16 / 24 PoE Ports, 802.3af/at
- Full HD Local Display Output
- e-SATA Port for External Storage Device
- RAID 0 / 1 / 5 / 10 Support
- Camera Plug and Play
- Self-diagnosis System, Support Cameras Auto Recovery
- PoE Management
- iPhone, iPad & Android Smart Phones APPs Support

## Technical Specification

Model	ST-ES1-16	-	ST-ES2-16
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### SYSTEM

CPU	Intel Skylake i3/i5	-	Intel Skylake i7
RAM	2x4GB, DDR3 (max 2x8GB)		
Graphics	Intel HD Graphics 4600		
IP Camera Input	Up to 128 CH		

### RECORDING / PLAYBACK

Throughput	320 Mbps (i3), 500 Mbps (i5)	-	640 Mbps
Decoding	Up to 3840 PPS @ D1		
Recording Mode	Continuous, Schedule, Event Recording		
PlayBack Mode	Auto / Custom Split Mode		

### STORAGE AND I/O

Build-in SATA Interface	2.5" SATA x 1 + 3.5" SATA x 4	-	2.5" SATA x 1 + 3.5" SATA x 8
RAID	Hardware RAID 0/1/5/10	-	Hardware RAID 0/1/5/6/10
e-SATA	1		
COM Port	RS-232 x 1 + RS-485 x 1	-	RS-232 x 1
Video Output	HDMI 1.4a / VGA	-	DP 1.2 / HDMI 1.4a / VGA
Audio Input	3.5 mm x 1 Mic-in		
Audio Output	3.5 mm x 1 Line-out		
USB Port	USB 3.0 x 2 + USB 2.0 x 3		
Digital Input	TTL-level x 8	-	TTL-level x 4
Digital Output	Relay NC/NO x2 (DC24V/1A)		

### NETWORK

WAN Port	2 (10/100/1000 Mbps)		
LAN Port	2 (10/100/1000 Mbps)	-	2 (10/100/1000 Mbps)
Built-in PoE Switch	16 (10/100 Mbps)	-	24 (10/100 Mbps)
High Power PoE Level	IEEE 802.3 af/at		

## GENERAL

Unit Dimensions	436 x 462 x 44mm	-	443 x 456 x 88mm
Unit Weight	7.4Kg	-	7.9Kg
Package Dimensions	575 x 575 x 175mm	-	585x575x350mm
Package Weight	9.5Kg	-	10.2Kg
Operation Temperature	0°C ~ 65°C		
Operation Relative Humidity	10% ~ 90% Non-condensing		
System Power Supply	AC 100~240V, ATX 420W (53V 280W, 12V 140W)	-	AC 100~240V, ATX 520W (PoE: 280W, System: 240W)

ALL PICTURES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY. ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMENT



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