

SG-NVR016/32P-D

16/32 Channel POE Desktop Network Video Recorder



Pre-Install with  **Luxriot®**

Overview

The SG-NVR016/32P-D is equipped with intel 8th Gen Atom® processor X series and Celeron® J Series , up to 4 Core and 3.0 GHz burst frequency processor, which supports up to 32GB DDR4 3200M HZ memory, along with integrated graphics controller, 11th Gen I ntel® UHD Graphic support 32EU and 750M HZ graphics burst frequency for large display application. Moreover, SG-NVR016/32P-D provides high quality digital recording, real-time display and supports a wide range of megapixel cameras. The SG-NVR016/32P-D supports a wide variety of display i/o configurations, including HDMI , DVI -I , one intel® 1GbE port, one intel® 2.5GbE port, four USB 2.0, two USB 3.1 Gen1, audio interfaces, 16 channels 10/100 PoE at 16 ports support 802.3af and at 8 ports support 802.3at.

Functions

NVR Storage Appliance for IP Video Surveillance

The SG-NVR016/32P-D is built to be the best video surveillance storage solution on the market. Delivering reliable and stable performance for surveillance video recording, especially when the arrays is in a critical state or during rebuild which is key to eliminating frame dropping, the SG-NVR016/32P-D is ideal for installations of up to over a hundred full-HD IP cameras, making it perfect for banking, retail, gaming, manufacturing, and many more industries.

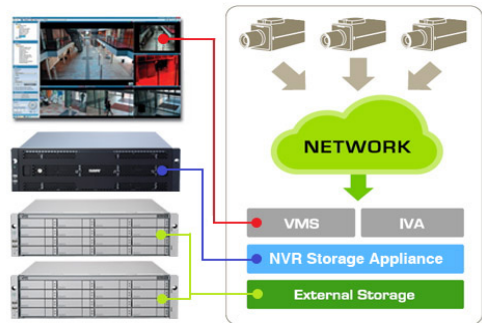
Reduces Deployment Costs and Complexity

The SG-NVR016/32P-D Series reduces support and equipment costs because there is no separate RAID storage unit to manage, eliminating the need for a server, controller cards, external cables, and a separate storage enclosure. Additionally, the NVR desktop Series reduces interoperability conflicts caused when integrating different hardware

Features

- Excellent value for a high-performance recording server system
- Perfect for up to 32 IP cameras
- Support H.265/H.264/MJPEG/MPEG4 compression
- 16 x 10/100 PoE (240W max PSE)
- Support Live view & Playback over network or web browser
- Support resolution : 12MP, 8MP, 5MP, 3MP, 2MP etc.
- 1U, 19-inch rack mount chassis
- Suitable for small-sized installations: retail stores, clinics, classrooms, gas stations
- Provide with Application Programming Interface (API)

Network Diagram



Easy to Use Management Interface

The SG-NVR016/32P-D Series can be managed conveniently over the network connection using the user-friendly browser-based GUI, or the text-based command line network terminal interface. Alternatively you can manage it out-of-band with a VGA or HDMI monitor and USB keyboard to access the text-based command line interface.

Outstanding Track Record of Reliability

Reliability is paramount for surveillance deployments in order to protect property, assets or even the safety of individuals. The SG-NVR016/32P-D features the RAID engine, which has been battle-tested in countless mission critical applications around the globe. With its incredible track record for reliable video data management and storage, the SG-NVR016/32P-D is ideal for users requiring an extremely reliable and safe data center for video archive protection.



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Technical Specifications

CPU

- Intel 8th Gen Intel® Celeron® J6412, Quad Core, 2.0GHz base frequency, 2.6GHz burst frequency (can compatible other Intel 8th generation Intel Atom® (Elkhart Lake) processor X series and Intel® Celeron® J series)

Memory

- Dual channel DDR4 3200MHz SDRAM, max. 32GB

I/O Interface-Front

- 2 x USB 2.0 ports
- Power & HDD status LED
- PoE 16 ports status LED

I/O Interface-Rear

- 2 x RJ45 (1 x 1GbE+1 x 2.5GbE)
- 2 x USB 3.1 Gen1 ports
- 2 x USB 2.0 ports
- 1 x HDMI 2.0b (supports max. resolution 4096 x 2160 @ 60Hz)
- 1 x DVH
- 1 x UART ports (RS-232/485 setting from BIOS)
- 1 x Line-in, 1 x Line-out, 1 x Mic-in
- Power on/off switch
- 16 x Ethernet PoE port
 - 802.3af/at compliance with total 240W max (PSE)
 - 802.3af support 16 ports @ 15W
 - 802.3at support 8 ports @ 30W
- 1 x 4DI/2DO (relay type) terminal block or 4DI/4DO GPIO DB15 port (option)

Protocol

- HTTP, HTTPS, SMTP, NTP, SNMP v1/v2, RTSP, TCP/IP, IPv4, IPv6

Storage

- 2 x 3.5" SATA HDD support RAID 0,1
- 1 x 2.5" SATA HDD or SSD
- 1 x M.2 2242 Key B SATAIII
- 1 x eMMC 32GB (option)

Power Input

- AC 100V~240V 410W power supply

Dimensions

- 430mm (W) x 44.5mm (H) x 348mm (D)

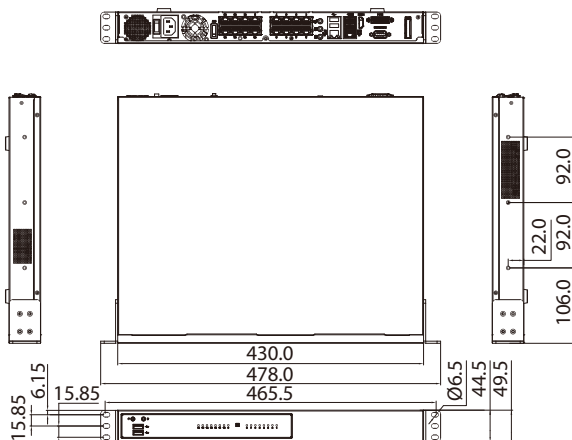
Environment

- Operating temperature:
 - Ambient with air flow: 0°C ~ 40°C
- Storage temperature: -20°C ~ 70°C
- Relative humidity: 10% ~ 90% (non-condensing)

Certifications

- CE approval
- FCC Class A
- UL 62368 compliance

Dimensions



Ordering Information

16 Channel model - SG-NVR016P-D

32 Channel model - SG-NVR032P-D