

H.265 25-ch 4K Network Video Recorder with 16-Port PoE



High Efficiency Surveillance Solution

PLANET NVR-2516P is a brand-new 25-channel Linux embedded PoE network video recorder (NVR) with 16 PoE ports for campuses, airports, transportation and more. Designed for IP surveillance applications with HDMI local display; the NVR-2516P supports IP cameras with up to 4K and H265/H264/H265+/H264+ video codec for high-quality real-time monitoring, recording and playback. It also supports 4K video resolution on any HD monitor.



The NVR-2516P can be used as a control center to control and monitor up to 25 connected network cameras (ONVIF supported) locally or remotely. It is perfectly designed for intelligent IP surveillance system, and with two internal SATA hard disks drawers interface, it has a large capacity to store recorded videos on the NVR without the need for an additional PC. Once the NVR-2516P, armed with complete surveillance equipment, detects any suspicious events, you will be alerted with buzzing alarm, alarm via email, voice warnings and screen display.

The NVR-2516P is fully compatible with iOS, Android and Internet Explorer on Windows operating system for multi-platform remote access, and thus it is able to further enhance security within the premises to protect your property. Moreover, it is fully compatible with mobile app and Internet Explorer on Windows operating system for multi-platform remote access.

Hardware

- Linux-embedded, highly-reliable standalone NVR
- 16 Fast Ethernet ports with IEEE 802.3at/af PoE injector function
- 1 Gigabit Ethernet RJ45 port
- One 1080p VGA and 4K HDMI video interface for dual local display
- Four 3.5" SATA III HDDs, up to 32TB capacity
- One e-SATA interface for external storage
- Two USB 2.0 interfaces
- One RS485 interface
- One Audio In interface and one Audio Out interface
- Sixteen Alarm input interfaces and four Alarm output interfaces

Video and Audio

- Simultaneous recording and live streams
- 25-channel input of IP cameras
- Supports H.265/H.264/H.265+/H.264+ compression
- Video resolution up to 4K (3840 x 2160)
- Supports bandwidth up to 120Mbps
- Two-way audio support
- Image adjustment options:
 - Image adjustment
 - IR-cut filtering
 - White balance
 - Image enhancement

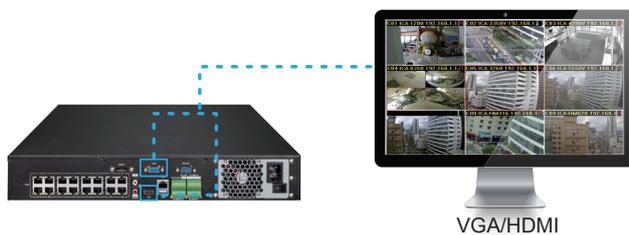
Video Recording and Backup

- Scheduled recording of 25 IP cameras simultaneously
- Simultaneous main/sub-stream support
- Supports operation simultaneously for Preview, Recording, Playback, Live and Backup
- Exports recorded video file in AVI format to USB device or local network storage
- Multiple event detections like motion detection, video loss and PLANET AI IP camera event management



High-resolution Local Display

The NVR-2516P comes with HDMI and VGA video output interfaces for dual local display. It can be connected to a 4K HDMI monitor and 1080P VGA monitor separately, where live viewing contents or playback contents can be displayed simultaneously. With the dual local display function, users can monitor locally with high flexibility in a different display resolution, thus eliminating the need for a separate PC to view video from the unit. Besides, the NVR also can be operated with the USB mouse to configure and monitor all the systems easily.



Dual Local Displays

Real-time, Remote Monitoring

Up to 25 IP cameras can be connected to the NVR-2516P via a connected IP network. With the NVR-2516P, it delivers high-performance video recordings and smooth playbacks of multiple megapixel cameras. Users can view remote surveillance in real time and play back recorded videos via the Web browser or the bundled PVMS (Professional Video/Central Management Software).

PoE

- Complies with IEEE 802.3af/at Power over Ethernet Plus/ mid-span PSE
- 16 Fast Ethernet ports with IEEE 802.3af/at PoE injector function
- Supports PoE Power up to 30.8 watts for each PoE port
- Total 200-watt PoE Budget

Network Service

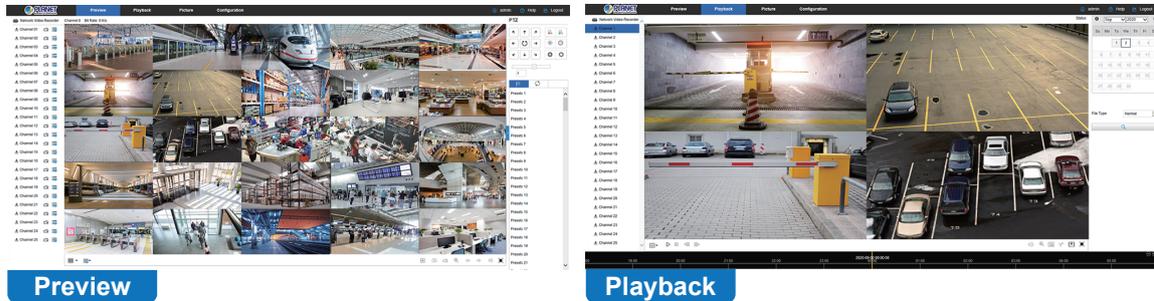
- Easy access with PLANET Dynamic DNS
- SNTP Network Time Protocol/synchronize with computing time
- Supports PPPoE/DHCP/static network connection
- Supports low bit-rate connection for remote access
- Supports P2P Cloud (Google/Dropbox)
- TCP/IP, HTTP, UPnP, DNS, NTP, SMTP, DHCP, FTP, DDNS, RTSP, RTCP, P2P Network functions

Easy Installation and Management

- ONVIF compliant for interoperability
- Supports multiple languages
- PLANET Search Tools utility and PVMS (Professional Video/Central Management Software) for easy configuration
- Up to 256 channels management through PVMS
- Easy configuration and management via Windows-based software or web interface
- System log
- User management options for various authorities:
 - Admin
 - Operator
 - Guest
- Supports mobile phone remote app application

You are able to conveniently and efficiently search and install PLANET IP cameras or ONVIF cameras via Web interface. Besides the Web interface, the NVR also supports viewer app software for smart phone so you can connect to the NVR from anywhere at any time.

Real-time, Remote Monitoring



Remote Access via Mobile App, Web Browser or PVMS

The NVR-2516P provides central surveillance management capability with the adoption of its bundled PLANET Video Management Software. With the PVMS, the NVR-2516P NVR system is expandable for multi-sites management of up to 256-ch IP cameras simultaneously. Besides, users are able to monitor the NVR via mobile app viewer or the Web browser anytime, anywhere.



Wide Applications

The NVR-2516P is suitable for various network environments. Besides applications for retail stores, the NVR-2516P, offering 4 SATA HDDs, is also applicable for small- and medium-sized businesses, such as banks, enterprises, transportations, campuses, etc.

4 x SATA hard disk drive



Provides scalability up to 32TB

3.5-inch HD

Perfectly-integrated NVR System and IP PoE Camera Solution

The NVR-2516P provides sixteen 802.3af/802.3at PoE ports for catering to middle-scale IP surveillance networks built at a low cost, and comes with a high-performance switch architecture and 200-watt PoE power budget. The recorded video files from sixteen PoE IP Cameras can be powered by the NVR-2516P and saved on the 25-channel NVR system. It performs comprehensive security monitoring and efficiently manages the surveillance system in the local LAN and the remote site via Internet.

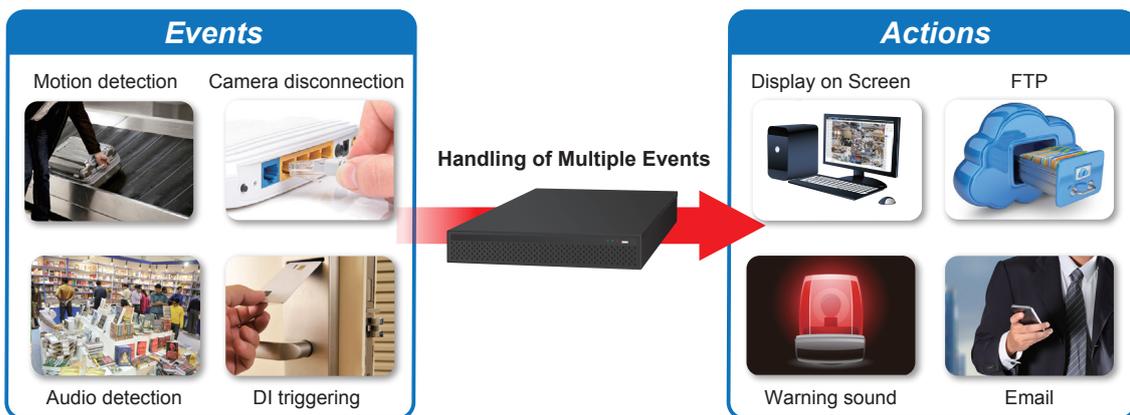


16-Port PoE+ Switch/25-Channel NVR

Applications

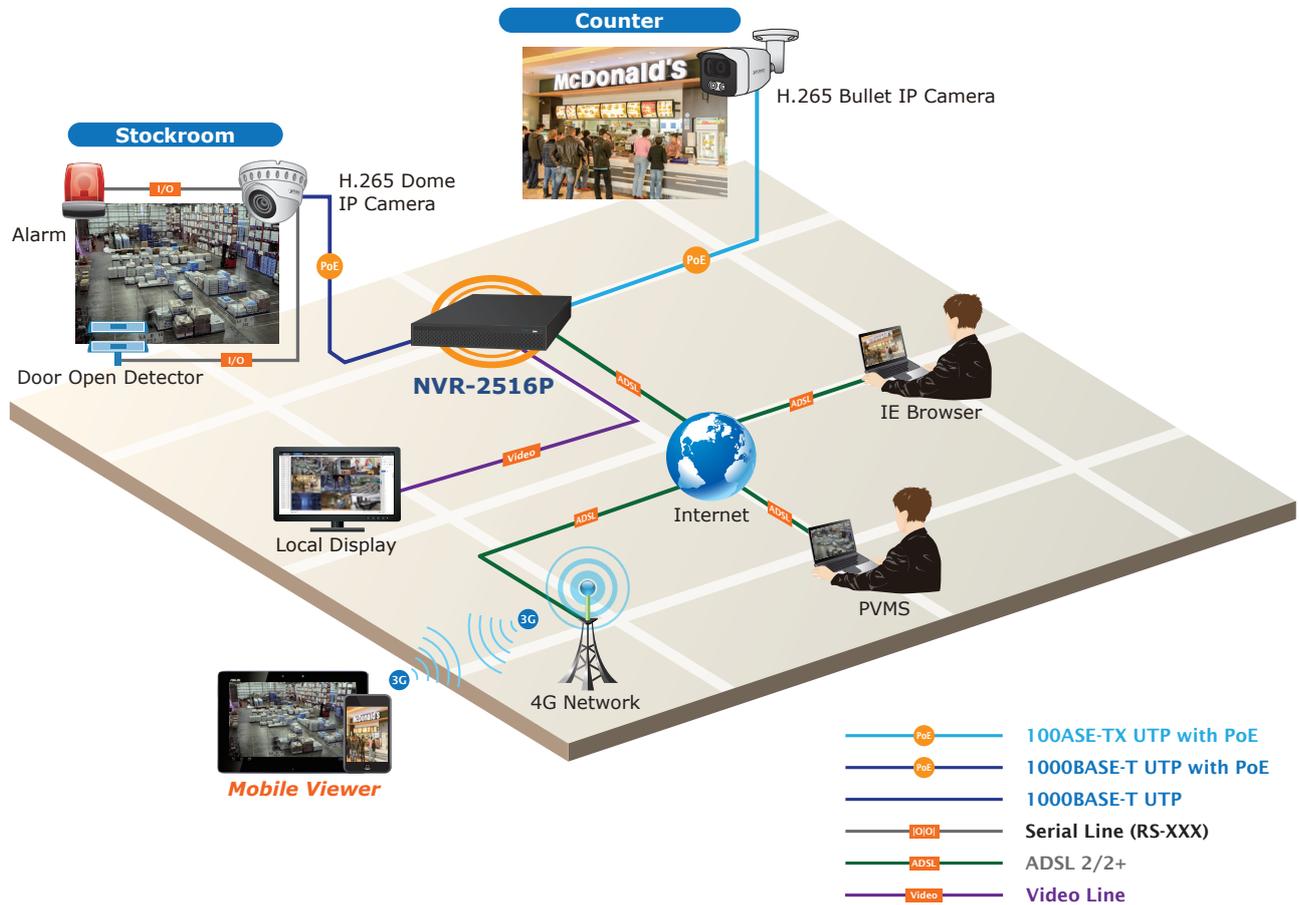
Advanced Event Management

The NVR-2516P is equipped with multiple event detections like motion detection, video loss and PLANET AI IP camera event management. All of them are able to send alarm through screen, buzzer, channel recording and email. Those alarm notifications provide you with extra protection when such event occurs so you won't miss any critical information.



Perfect for Indoor Surveillance Applications

PLANET NVR systems can be controlled and monitored both in the local LAN and the remote site via Internet. Users can also log in from their mobile phones to check the monitoring screen anywhere, anytime. It is especially perfect for indoor surveillance in such places as campus, airport, transportation and more.



Specifications

Product	NVR-2516P
Hardware	
Ethernet	1 x 10/100/1000BASE-T MDI/MDI-X RJ45 port
PoE	16 x 10/100BASE-TX MDI/MDI-X RJ45 ports
USB Interface	2 x USB 2.0
Video Interface	1 x HDMI, 1 x VGA
Audio Interface	1 x Input, 1 x Output
Alarm	16 x Input, 4 x Output
Storage Device	4 x Hard Disk Interface (3.5" SATA), up to 32TB capacity
External Storage Interface	1 x e-SATA interface
RS485	Yes
Camera	
Max. Channels	25-channel IP cameras
Incoming Bandwidth	120MB
Video	
Compression	H.264/H.265/H.264+/H.265+
Resolutions	4K (3840×2160) 5MP (2592×1944) 4MP (2688×1520/2560×1440) 3MP (2048×1536) 1080P (1920×1080) 960P (1280×960) 720P (1280×720) D1 (720×576/720×480)
Recording Rate (PAL/NTSC)	4K@12×25fp/30fps 5MP@20×25fp/30fps 4MP@25×25fp/30fps 3MP@25×25fp/30fps 1080P@25×25fp/30fps 960P@25×25fp/30fps 720P@25×25fp/30fps D1@25×25fp/30fps
Record Mode	Manual\Timer\Motion Detection\Smart Alarm
Audio	
Audio Type	2-way audio
Input	1-port RCA
Output	1-port RCA (Linear, 1kΩ)
Audio Bit Rate	64kbps
Audio Compression	G711u, G711a, ADPCM_DVI4
Local Display	
HDMI	4K (3840 × 2160)/30Hz 1920 × 1080/60Hz 1280 × 1024/60Hz 1280 × 720/60Hz 1024 × 768/60Hz
VGA	1920 × 1080/60Hz 1280 × 1024/60Hz 1280 × 720/60Hz 1024 × 768/60Hz
Display Split	25CHxD1/16CHxD1/9CHxD1/4CHxD1/1CHx1080P/1CHx3MP/1CHx4MP/1CHx5MP/1CHx4k/1CHx12MP
Digital Zoom	YES
OSD	Camera Title, Time, Recording, Motion Detection, Event Alarm
Alarm	
Sensor Input	16
Output	4
Motion Detection	25 Channels, MD Zones: 396 (22 × 18)
Trigger Events	Recording, Email, FTP, Snapshot, Buzzer and Screen Tips, Alarm Output

Playback and Backup	
Local Sync Playback	1CH 4K@30fps 1CH 5MP@30fps 2CH 4MP@30fps 2CH 3M@30fps 4CH 1080P@30fps 4CH 960P@30fps 4CH 720P@30fps
Decode Capability	1CH 4K (3840×2160) @30fps
Remote Sync Playback	Yes
Search Mode	All, Channel, Manual, Time, Date, Motion Detection, and Event Alarm
Playback Functions	Play, Pause, Stop, Rewind, Fast Play, Slow Play, Full Screen, Frame Play, Frame Rewind, Digital Zoom
Backup Mode	USB Device/Network
Power over Ethernet	
PoE Standard	IEEE 802.3at Power over Ethernet Plus/PSE Backward compatible with IEEE 802.3af Power over Ethernet
PoE Power Supply Type	Mid-span 4/5 (+), 7/8 (-)
PoE Power Budget	200 watts
Number of PDs, 7 watts	16
Number of PDs, 15.4 watts	12
Number of PDs, 30 watts	6
Network and Configuration	
Network Functions	TCP/IP, HTTP, UPnP, DNS, NTP, SMTP, DHCP, FTP, DDNS, RTSP, RTCP, P2P
Cloud Support (P2P)	Cloud (Google, Dropbox)
Application Programming Interface	ONVIF compliant
Management	
Web Browser	IE8~11, Google Chrome, Firefox, Mac Safari
PVMS	Support Windows 7/ Windows 8/Windows 10/MAC OS
App	Yes (Android, IOS with P2P QR code)
Language	Chinese Simplified, Chinese Traditional, English, Bulgarian, Polish, Arabic, German, Russian, French, Korean, Portuguese, Japanese, Turkish, Spanish, Hebrew, Italian, Dutch, Czech, Vietnamese
Environment	
Power	AC 100-240V/5.5A
Operating Temperature	-10~55 degrees C /10~90%
Humidity	10~85% RH
Weight	7.5kg (without HDD)
Dimensions (W x D x H)	440 x 356 x 72 mm

Ordering Information

NVR-2516P	H.265 25-ch 4K Network Video Recorder with 16-Port PoE
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Related Products

NVR-2500	H.265 25-ch 4K Network Video Recorder
ICA-3280	H.265 1080p Smart IR Bullet IP Camera
ICA-4280	H.265 1080p Smart IR Dome IP Camera
ICA-A3280	H.265 1080p Smart IR Bullet IP Camera with Artificial Intelligence
ICA-A4280	H.265 1080p Smart IR Dome IP Camera with Artificial Intelligence
ICA-M3580P	H.265 5 Mega-pixel Smart IR Bullet IP Camera with Remote Focus and Zoom
ICA-M4580P	H.265 5 Mega-pixel Smart IR Dome IP Camera with Remote Focus and Zoom

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