

## NVR-16F16P-H2L-4K | 16 channel 1U 16POE 4K&H.265 Pro Network Video Recorder



- H.265/H.264/MJPEG/MPEG4 codec decoding
- Max 320Mbps incoming bandwidth
- Up to 12Mp resolution preview&playback
- HDMI/VGA simultaneous video output
- 3D intelligent positioning with Dahua PTZ camera



### System Overview

Osiris' NVR5216-16P-4KS2 network video recorder offers an excellent performance and high recording quality for IP video surveillance applications. For applications where details are critical for identification, this professional NVR provides a powerful processor with up to 4K resolution. Additionally, the NVR features a mouse shortcut operation menu, remote management and control, centre storage, edge storage, and back up storage. Designed as a cost-effective, easy installation, this NVR is ideal for a wide range of applications such as public safety, water conservancy, transportation, city centers, education, and financial institutions. The NVR is compatible with numerous third-party devices making it the perfect solution for surveillance systems with or without a video management system (VMS). Its open architecture supports multiuser access and is compatible with ONVIF 2.4, enabling interoperability when combined with 4K cameras.

### Functions

#### Fisheye Dewarping

The NVR features multiple fisheye dewarping modes to make viewing video easy whether its live or during playback.

#### 4K Resolution

The NVR supports 4K ultra HD resolution (3840 x 2160) for recording, live viewing and playback.

#### Intelligent Video System (IVS)

Working with built-in intelligent video analytics IP cameras, the NVR has the ability to detect and analyze moving objects for improved video surveillance. The NVR provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed, People Counting, ideal for business intelligence, and Face Detection, for searching or identification of individuals.

#### Point of Sale (POS)

Ideal for grocery and retail stores, the optional POS solution allows the NVR to receive a POS transaction via corresponding video. This feature allows merchants to analyze specific transactions via the Fuzzy search Algorithm.

#### ANR (Automatic Network Replenishment Technology)

Video record in SD card in IP cameras when the network breaks down, and after the network recovered, the video will be transferred to NVR and then recorded in it.

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## Technical Specifications

System	
Main Processor	Quad-core embedded processor
Operating System	Embedded LINUX
Display	
Interface	1 HDMI (1 HDMI up to 3840x2160), 1 VGA
Resolution	3840x2160, 1920x1080, 1280x1024, 1280x720, 1024x768
Multi-screen display	16CH: 1/4/8/9/16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Video Detection and Alarm	
Trigger events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering
Alarm input	4 Channel, Low Level Effective, Green Terminal Interface
Relay output	2 Channel, NO/NC Programmable, Green Terminal Interface
Tracking Trigger Event	N/A
Playback and back-up	
Sync Playback	1/4/9/16
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Back-up Mode	USB Device/Network/Internal SATA burner
Storage	
Internal HDD	2 SATA III Ports, up to 8TB capacity for each HDD
HDD Mode	Single
eSATA	N/A
SAS	N/A
Auxiliary interface	
Front cover	N/A
USB	2 ports (1 Rear USB3.0, 1 Front USB2.0)
RS232	1 Port, for PC Communication and Keyboard

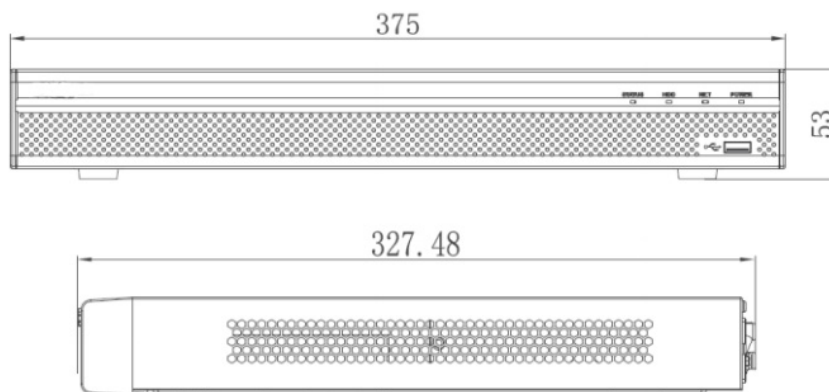
RS485	1 Port, for PTZ Control
Third party support	
Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec and more
Audio and video	
IP Camera Input	16 channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA
Recording	
Compression	H.265/H.264/MJPEG/MPEG4
Resolution	12Mp/8Mp/6Mp/5Mp/4Mp/3Mp/1080P/720P/D1&etc.
Record Rate	320Mbps
Bit Rate	16kbps~20Mbps for per channel
Record Mode	Manual, Schedule(Regular(Continuous), MD, Alarm), Stop
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec
Network	
Interface	1 RJ-45 port (10/100/1000Mbps)
Ethernet Port	1 Independent 1000Mbps Ethernet Port
PoE	16 ports (IEEE802.3af/at)
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search(Support Dahua IP camera, DVR, NVS and etc.), P2P
Optical Fiber Interface	N/A
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, CGI Conformant
Electrical	
Power Supply	Single, AC 100~240V, 50/60 Hz
Power Consumption	<15.2W (without HDD)
Environmental	
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH

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### Technical Specifications

Construction	
Dimensions	1U, 375mm×327.5mm×53mm (14.8" x 12.9" x 2.1")
Net Weight	2.7kg (6.0 lb) (without HDD)
Gross Weight	4kg(8.8 lb)(without HDD)
Certifications	
Certifications	EN55022, EN55024, EN50130-4, EN60950-1
FCC	Part15 subpartB,ANSI C63.4-2014
UL	UL UL60950-1+CAN/CSA C22.2 No.60950-1

### Dimensions (mm)



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