

# V-RECON SERIES VPRO-NVR-32

32 Channel Super 4K Network Video Recorder



## Overview:

Veilux's VPRO-NVR 32 network video recorder offers 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, center storage, edge storage, and back up storage.

Designed as a low-cost, 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 multi-user access and is compatible with ONVIF 2.4, enabling interoperability when combined with 4K cameras.

## Functions

### RAID 0/1/5/6/10

Offering a balance between storage performance, storage capacity, and data integrity, the NVR features RAID 0/1/5/6/10 for faster and safer recording.

### Fisheye Dewarping

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

### N+M Hot Standby

The highly reliable redundancy N+M Hot Standby design provides a secure, fail-over technique ensuring immediate backup. In the event of a system failure, the slave instantly takes over the master ensuring no data is lost.

### 4K Resolution

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

### Intelligent Video System (IVS) Recording

Working with IVS-enabled IP cameras, the NVR recognizes and records video that contains IVS data on all IP channels. The NVR records standard intelligence at-the-edge features, as well as premium IVS features that detect abandoned or missing objects, Tripwire violations, and intrusion violations. The NVR is also capable of recording business analysis data – Facial Detection, People Counting, and Heat Map – from IP cameras with built-in Intelligent Business Analytics.

### Heat Map

The NVR's Heat Map option highlights the areas with the highest concentration of people. This information can then be exported into a customized report to assist in business or forensic analysis.

### 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.

### Smart Tracking

The auto tracking PTZ feature automatically tracks a moving target throughout the camera's field of view. This function is ideal for following an object as it moves through airports, parking lots, city centers, or other applications.

### Automatic Network Replenishment (ANR) Technology

Network Video Recorders with the ANR function automatically store video data on an IP camera SD card when the network is disconnected. After recovery of the network, the NVR automatically retrieves the video data stored on the camera.

## Specifications

SYSTEM	
Main Processor	Quad-core embedded processor
Operating System	Embedded LINUX
VIDEO & AUDIO	
IP Camera Input	32 Channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA
DISPLAY	
Interface	2 HDMI (1 HDMI up to 3840 x 2160, Different Source ), 1 VGA
Resolution	3840 x 2160, 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768
Multi-screen Display	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16
	2nd Screen: 1/4/8/9/16
OSD	Camera Title, Time, Video Loss, Camera Lock, Motion Detection, Recording

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### Specifications (Cont.)

RECORDING	
Compression	H.265/ H.264/ MJPEG/ MPEG4
Resolution	12 MP, 8 MP, 6 MP, 5 MP, 4 MP, 3 MP, 1080p, 720p, D1
Record Rate	320 Mbps
Bit Rate	16 kbps to 20 Mbps per Channel
Record Mode	Manual, Schedule (Regular (Continuous), MD, Alarm), Stop
Record Interval	1 to 120 min (default: 60 min), Pre-record: 1 to 30 sec, Post-record: 10 to 300 sec
VIDEO DETECTION & 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 x 18), Video Loss and Camera Blank
Alarm Input	16 Channel, Low Level Effective, Green Terminal Interface
Relay Output	6 Channel, NO/NC Programmable, Green Terminal Interface
Video Analytics	Targeting, Zoom, Tracking, Recording, Snapshot, Alarm
PLAYBACK & BACKUP	
Playback	1/4/8/16/25/36
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to the 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
Backup Mode	USB Device/Network/Internal SATA burner/eSATA Device
NETWORK	
Interface	2 RJ-45 ports (10/100/1000 Mbps)
Ethernet Port	2 Ethernet Ports Joint Working or 2 Independent 1000 Mbps Ethernet Ports
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search (Supports IP camera, DVR), P2P
Max. User Access	128 Users
Smart Phone	iPhone®, iPad®, Android®
Interoperability	ONVIF 2.4, CGI Conformance
STORAGE	
Internal HDD	8 SATA III Ports, Up to 64TB
HDD Mode	Single, Raid 0/1/5/6/10
AUXILIARY INTERFACE	
USB	2 ports (1 Rear USB 3.0, 1 Front USB 2.0)
eSATA	1 eSATA port
RS232	1 Port for PC Communication and Keyboard
RS485	1 Port for PTZ Control

THIRD-PARTY SUPPORT	
Third-Party Support	Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
GENERAL	
Power Supply	Single, 100 to 240 VAC, 50/60 Hz
Power Consumption	NVR: 16.7 W, without HDD
Working Environment	-10°C to +55°C (+14°F to +131°F), 86 to 106 kpa Storage: -20°C to +70°C (-4°F to +158°F), 0 to 90% RH
Dimension (W×D×H)	2U, 440 x 455.10 x 94.90 (mm) 17.30 x 17.90 x 3.70 (in)
Net Weight	6.55 kg (14.40 lb), without HDD
Gross Weight	9.50 kg (20.94 lb)
Installation	Rack mount (rack mount ears included)

### Dimensions

