

4K Resolution 16 Channel Real-time NVR, 2x SATA HDD's with 8 PoE Ports



SUPPORTS 4K RESOLUTION

2x SATA HDD BAYS

HIGH BANDWIDTH

H.265 / H.264 / MJPEG

The Vertigo mid-entry NVR range offers real-time recording for all channels up to 4K (8MP) resolution.

The VNVR2164K is ideal for small to medium distributed systems where multiple cameras can be linked to multiple NVR's connected to the same network and viewed in a central location or in several locations. The NVR is also suitable for small stand-alone installations such as homes, small business, micro installations and remote sites.

With an added Serial interface, the analogue keyboard can be added to control the NVR and PTZ Cameras using the intuitive keyboard controls and joystick

The NVR has capacity to accept up to 2x 6TB SATA storage internally.

Easily connect your NVR to a network or internet to view remotely with the free software suite for Windows or iOS or simply connect a HDMI screen directly to the NVR to operate, view and playback video's. The NVR supports multi protocols which simplifies the replacement of other systems.

For interconnecting alarm systems, we provide contacts inputs and outputs to perform specific tasks.

The NVR has a built in Web interface to simplify configurations which any skill level can perfect and understand.

RECOMMENDED ACCESSORIES

- Vertigo cameras
- Suitable surveillance rated Hard drives
- HDMI screen
- PoE injector



Technical Specifications

Recording settings, user settings and OS Characteristics

Operating system	Embedded Linux OS
No of supported channels	16 Channels
Camera compression	H.265 / H.264 / Mjpeg supported (Configurable per channel)
Camera resolutions	1.3MP / 2MP / 3MP / 4MP / 5MP / 4K max (Configurable per channel)
NVR Output resolution	4K UHD / 5MP / 3MP / 1080p / 960p / 720p / VGA / 4CIF / DCIF / 2 CIF / CIF / Q CIF
Video Output	VGA / HDMI sync output. Max 4096 x 2160 Min 800 x 600
Max record bitrate	Max 320mbit for all channels (Independently configurable per channel)
Local display	1 split / 2x2 split / 3x3 split / 4x4 split
Local display resolution and frame rate	Output resolution and frame rate is equal to camera resolution and frame rates set
Snapshot	Supports local BMP snapshot (Live and Playback)
Motion detection	Set individually per channel, 22x18 pixel blocks, various sensitivity levels
Audio encoding	G.711A
Bi-directional Audio	Yes, Via RCA input and output
Audio input	IP Camera input with stream
Audio Output	1 Channel (RCA)
Record modes	Manual / Alarm (Pre- post alarm) / Motion Detected (Pre- post alarm) / Regular / Link alarms to different channels for recording possible / VCA alarms
Sync playback	1 Channel at 4K UHD & 3MP & 5MP / 4 Channels sync play at 2MP, 8 Channels sync playback 720p and lower (sub-stream)
Video Searching	Time / Date and Time / Event / Channel
Video Playback functions	Start, Stop, Fast play (1x, 4x, 8x 16x speed), frame by frame, zoom, roller amplification time ball precise playback, full screen mode
Hard drive	2 Hard drive bay, SATA III (each up to 6TB Max)
Backup location / Method	NAS, IPSAN, USB Hard drive, USB Stick, U disk, network backup, usb recording, via CMS Client software
Network protocols	TCP/IP, HTTP, DDNS, SMTP(SSL), DHCP, PPPOE, UPNP, NTP, P2P, ONVIF
Network interface / protocol	1x RJ 45 10/100/1000mbps adaptive / ONVIF, RTSP, GB28181
Mobile app	Android and iOS, Fseye app
Alarm input / output	2 Channel Input, 1 Channel Output
Serial	RS485 – for serial type Keyboard VKBD150
Network interface	1x RJ 45 10/100/1000mbps adaptive
PoE Ports	8x PoE ports integrated
USB Ports	1 Front, 1 back (USB 3.0)

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Network Interface	RJ 45 Connection, 10/100/1000m adaptive
Operating temperature	'-20°C ~ 55°C/ 0%-90%
Power supply / Consumption	DC12V ± 10% (Power supply unit included) / <10W (Without Hard drive)
Dimensions(mm)	243 x 49 x 360 mm (1U Brackets sold seperately)
Weight	2kg (Without Hard drive)

