The new Vectis iX NVS is a powerful network video software that supports network-based video monitoring and recording of up to 64 IP cameras. Vectis iX NVS Network-Video Recording software delivers a unique combination of industry leading performance and unrivalled compatibility. Allowing connectivity to more than 1000 camera models using combined ONVIF and SDK compatibility.

Available in software licenses ranging from 8 to 64 channels, its very powerful speed and performance enables you to capture greater detail than ever before. Recording full-HD images from up to 64 cameras simultaneously at 25 frames per second (depending on PC performance) and supporting resolutions of up to 20 megapixels.

Key features include:

- Network-based video monitoring and recording for 8/16/32/48/64 IP cameras
- Ultra High Network performance
- Supports resolution of up to 20 megapixels
- Conforms to ONVIF profile S
- Powerful analytics: motion detection and video analytics including people counting
- Time sector engine for immediate recording and playback
- Common GUI throughout the entire Vectis iX range
- Dual monitor, full-HD real-time display depending on graphic card performance.
- Optional Text input interface, e.g. to connect ATM (Automatic Teller Machine) or POS (Point of Sales) devices
- Free remote client software Vectis iX128 RAS included
- Vectis iX-KB supported ; Keyboard with joystick and function keys (V54561-C105-A100)

■ Support of megapixel recording
Vectis iX NVS supports IP camera resolutions of up to 20 megapixels. Megapixel recordings contain more detailed information – useful when using the integrated digital zoom feature either live or in playback.

■ Network-based video monitoring and recording for 8/16/32/48/64 IP cameras
The Vectis iX NVS range supports network-based video monitoring and recording of up to 8/16/32/48/64 IP cameras.

■ Free remote client software
The free Vectis iX128 RAS comes with basic viewing functionalities and can be used in conjunction with the Vectis iX range to analyses and view video recordings across a LAN/WAN of up to 128 channels on 1 or 2 monitors.

■ Video Analytics
Vectis iX range includes analytic algorithms such as people counting, e-fence, object appear/disappear, motion detection and region of interest. The event based recording reduces the required hard drive usage so only the relevant data is stored.

■ Multiple Alarm Notifications
Alarm notification by Pop-Up, E-mail and digital I/O triggered by video loss, sensor, HDD crashed, system crashed, abnormal transaction, e-fence, video motion detection. External digital I/O devices supported via ModBus protocol.

■ Full HD real-time display on dual monitors
Advanced software features offer powerful performance, video recording and display, including 16 Full-HD streams on dual monitors.

Technical data

Type	Vectis iX08 / iX16 / iX32 / iX48 / iX64 NVS
Operation System (OS)	Windows 7 (32 & 64 Bit) , Windows 8
Network Protocols	TCP/IP ,UDP, HTTP, HTTPs, SMTP,SNMPv3, DNS, DHCP, NTP, ARP, ICMP, FTPc, FTPs, DDNS, RTP (RTCP, RTSP), IGMPv3, UPnP, CIFS, NFS, IEC802.1x
Watchdog	Software Watchdog
System Update	Supports NVS Software Update
IP Camera License	8, 16, 32,48, 64 licenses supported
Recording Resolution	D1~20 Megapixel
Video Codec	H.264 High Profile, MPEG4, M-JPEG, MxPEG
Audio Codec	Two-Way Audio, G. 711, G.726, AAC
Streaming Type	Unicasting, Multicasting
Onvif Supports	Onvif 2.2, Profile-S
Global-Features	
Configurations	Configurations of NVS, Camera, Event, Alarm, Device, Digital I/O, etc.
User Authority	Export Video Clip, PTZ Control, Live View, Playback, Alarm Search, Configuration, Remote System Control, etc.
Recording Mode	Full Time Recording, Recording by Schedule, Event, Alarm, Motion Detection
E-map	Mapping Cameras and DI/DO Points, Map with multiple layer (HTML knowledge required)
PTZ Control	PTZ Control, Preset Point, Patrol, Digital PTZ
Display Pattern	1, 2, 3, 4, 5, 6, 8, 9, 12, 13, 16, 18, 24, 25, 36, 48, 64
Viewing Operation	ROI (Region of Interest), Tour
Video Search	Time, Event, Alarm
Synchronous Playback	up to 16ch
Video Playback	Time Slider Control Panel (Forward, Backward, Speed Control, Sync. Playback)
Video Export	Video Export via USB (Supports .avi and .ava Format), Digital Watermark
Intelligent Search (Replay)	Missing Object (Object take away), Foreign Object (Object left behind)
Intelligent Video Analytics (Realtime)	E-fence, Video Motion Detection, People counting on all channels (240fps @D1 or 72fps@2MP with Minimum system requirements)
Event Log	Event logs of System, Cameras, User, etc
Alarm Event / Search	Video Loss, Sensor Triggered, HDD Crashed, System Crashed, Abnormal Transaction, E-fence, Video Motion Detection
Alarm Notification	Pop-up, E-mail, DI/DO, Trigger Recording
Alarm In / Alarm Out	Support of optional external DI/DO modules via Modbus Protocol (Master, Slave) Recommended product: Supplier MOXA, type E3210 I/O Mirror

APP Client	iOS (iPhone, iPad), Android
Client Software	Vectis iX CMS, Vectis iX128 RAS
Supports Client Numbers	16 CMS links per NVS device. Max. Live Session : 112 Max. playback Session : 16 Max. Mobile Client Streaming (fps): 140
POS License	8 x POS license per NVS included (requires optional POS-Box)
POS Integration	Integration via POS Editor using optional external Pos-Box, POS box communicate with NVR via network and with POS machine with DB-9 connector, Y-cable and RS232 protocol. Recommended POS Box reference : Moxa NPort 5110
Live View	Live Viewing with Transaction data
Search / Playback	Time, Item (Keyword), Price with Transaction data and Video
Abnormal Transaction	Alarm Rule (Item, Value), Alarm Popup, Alarm Search
Minimum system requirements	
Vectis iX96 RAS (free software for NVR/NVS)	CPU: Pentium Intel Dual Core 2.4GHz or above RAM: 2048 MB at least Operation System: Windows XP SP2 / SP3, Windows 7 (32 & 64 bit), Windows 8 (required Admin rights to operate) Display: Graphic-card nVidia chipset, DirectX3D support, Minimum resolution 1280X1024, recommended resolution 1680X1050.) Free HDD space: 1GB free HDD space or more recommended
Vectis iX NVS	CPU: Intel Core i5, recommended i7 Ram: 8GB or more Operation System: Microsoft® Windows® 7 or 8.x (64 Bit) (Home Premium, Professional, Ultimate), Microsoft® Windows® Server 2008/2012 (64 Bit) Display: Graphic card nVidia chipset, DirectX3D support, min. 2048 MB Graphic memory 2x HDMI (or DisplayPort) Data Hard drives: min. 1*1 TB HDD per 8 Video channels Max. Storage capacity per Server = 16x 4 TB = 64 TB (Without usage of external storage devices) LAN: Gigabit Ethernet

Details for ordering

Type	Part no.	Designation	Weight
Vectis iX08 NVS	V54569-P101-A100	Vectis iX08 NVS, Software 8ch, H264	Approx. 750g
Vectis iX16 NVS	V54569-P102-A100	Vectis iX16 NVS, Software 16ch, H264	Approx. 750g
Vectis iX32 NVS	V54569-P103-A100	Vectis iX32 NVS, Software 32ch, H264	Approx. 750g
Vectis iX48 NVS	V54569-P104-A100	Vectis iX48 NVS, Software 48ch, H264	Approx. 750g
Vectis iX64 NVS	V54569-P105-A100	Vectis iX64 NVS, Software 64ch, H264	Approx. 750g

Central Management Software Vectis iX CMS
For remote control and display of Vectis iX NVR and Vectis iX NVS, the Vectis iX range includes a performant Central Management software CMS that supports single- and multisite applications. For further details please refer to the separate CMS datasheet.

Type	Part no.	Designation	Weight
Vectis iX128 CMS	V54569-P107-A100	Vectis iX128 CMS, Mgmt. SW 128ch	Approx. 750g
Vectis iXUN CMS	V54569-P108-A100	Vectis iXUN CMS, Mgmt. SW 600ch *	Approx. 750g

* Vectis iXUN CMS basically supports unlimited IP channels, but any usage above 600 channels requires mandatory involvement of Vanderbilt or qualified partner for technical support to approve overall system architecture.

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