48 Channels

90 different camera vendors supported

36TB

Maximum internal storage

VANDERBILT

20MP

Future proof performance

288Mb/s

Throughput for recording 48 cameras @ 3 Megapixels/25fps

VANDERBILT

Vectis iX performance in detail
Redefining speed and clarity

Recording of up to 64 IP network cameras in a powerful NVS and NVR Solution

With the speed and performance to capture greater detail than ever before the Vectis iX Recorder range supports IP cameras of up to 20MP from over 90 vendors using combined ONVIF and SDK compatibility.

Its 288Mb/s throughput performance easily records 48 IP 3MP cameras at 25ips, and with a broad range of recording options including iSCSI Vectis iX is both scalable and suitable for both small installations and complex multi-site environments when using CMS.

Available in hardware and software options ranging from 6-64 channels, it doesn't miss a single detail.

Highlights

- Network-based video monitoring and recording for 6/16/32/48/64 IP cameras
- Conforms to ONVIF profile S
- Powerful onboard analytics
- Supports resolution of up to 20 megapixels
- Time sector engine for immediate recording and playback
- Common GUI throughout the Vectis iX range
- Interoperability with SiPass Integrated Access Control
- Robust. Designed for 24-hour permanent operation
- Dual monitor, full-HD real-time display – Vectis iX NVR/NVS
- Quad monitor, full-HD real-time display – Vectis iX CMS
- Integrated motion detection and video analytics including people counting
- Compact design for flexible installation

Support of megapixel recording

Vectis iX 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 6/16/32/48 IP cameras

The Vectis iX range supports network-based video monitoring and recording of up to 6/16/32/48/64 IP cameras. Vectis iX NVR offers recording speeds from 480 -1200fps and internal storage from 2-36TB dependent on model.

IP camera range

In addition to the range of IP cameras and domes from Vanderbilt, the Vectis iX can also be connected to a broad range of third party IP cameras that may have already been installed supporting PTZ control and event information using latest open ONVIF Profile S or proprietary SDK protocols.

Free remote client software

The free Vectis iX96 RAS comes with basic viewing functionalities and can be used in conjunction with The Vectis iX range to analyse and view video recordings across a LAN/WAN of up to 96 channels and 3 NVRs.

IOS and Android APPS are available for convenient view and control of the system.

Powerful Central Management System

The Vectis iX CMS can manage and view multiple Vectis iX devices (NVR/NVS) in remote or centralised locations.

Full HD real-time display on dual monitors

Advanced software features offers powerful performance, video recording and display, including 16 Full-HD images on dual 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 stored.

Robust, industry-suited design for 24-hour permanent operation

The self-monitoring system – with integrated temperature management and watchdog – covers both hardware and software. Should issues occur, the system automatically alerts the operator or, if required, recovers the system to ensure operational continuity.

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.

	Vectis iX06	Vectis iX16.32.48
Product		
CPU	Intel® Celeron® G1610 Processor	Intel® Core™ i5-2400 Processor
Memory	DDR3-1333 2G	DDR3-1333 4G
Operating System (OS)	Windows 7 Embedded	
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	Supports Hardware Watchdog, Software Watchdog	
System Update	Supports NVR Software Update	
IP Camera License	6ch	16ch, 32ch, 48ch
Display Performance	D1@480fps / 1.3MP@240fps / 2MP@125fps	D1@1200fps / 1.3MP@780fps / 2MP@425fps
Recording Throughput	Max.72Mb	Max.288Mb
Recording Resolution	D1, 1.3~20 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 Support	Onvif 2.2, Profile-S	
Recording Capacity	2 TB (2x HDDs)	36 TB (6x HDDs), RAID 0, 1, 5, 6 (Option)
ONVIF Support		
Lan Port	Gigabit Lan (RJ45) x2	
Ethernet	10 / 100 / 1000M Auto Negotiation	
Local Display	HDMIx1, DVIx1	VGAx1, HDMIx1, DVIx1
Local Display Resolution	1920x1200	
Hard Disk Drive	SATA	
Hard Disk Trays (Bays)	2 pcs	6 pcs
Supplied Storage Capacity	1 TB (2.25")	4TB, 8TB, and 18TB model dependent
RAID Level	na	RAID 0, 1, 5, 6 (Option)
USB Port	USB 2.0 Front x2, Rear x2 ; USB 3.0 Rear x2	USB 2.0 Front x2, Rear x4
Communication Port	RS232 x1 ; RS232/422/485 x1 - Rear I/O	RS232 (Header) x1 - Onboard I/O
Audio Port	Front: MIC-in x1, Headphone x1 ; Rear: MIC-in x1, Lineout x1, Line-in x1	Rear : MIC-in x1, Line-out x1, Line-in x1
Power Voltage	100~240 Vac, 50-60 Hz	
Power Consumption	30W	127W
Operating Temperature	0°C ~ 35°C (32°F ~ 95°F)	0°C ~ 40°C (32°F ~ 104°F)
Dimensions	200(W) x 73(H) x 242(D)mm	430(W) x 90(H) x 470(D)mm
Net Weight	1.86 Kg	9.28 Kg
Chassis	Silver	2U Rackmount Chassis
NVS Software (also valid within the NVR Hardware)		
Configurations	Configurations of NVR, Camera, Event, Alarm, Device, digital I/O	
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 digital I/O Points, Map Hyperlink	
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 6ch	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 Video Analytics	Missing Object, Foreign Object, E-fence, Video Motion Detection and people counting	
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, digital I/O, Trigger Recording	
Alarm In / Alarm Out	digital I/O Control, Modbus (Master, Slave)	
APP Client	iOS (iPhone, iPad), Android	
CMS Client	Vectis iX CMS	
Supports Client Numbers	5	
POS License	8ch	
POS Integration	Integration with all brands via POS Editor	
Live View	Live Viewing with Transaction data	
Search / Playback	Time, Item (Keyword), Price with Transaction data and Video (POS)	
Abnormal Transaction	Alarm Rule (Item, Value), Alarm Popup, Alarm Search	
Languages Supported	English, German, Spanish, French, Swedish, Italian, Arabic, Czech, Estonian, Japanese, Korean, Portuguese, Russian, Simplified Chinese, Traditional Chinese, Turkish	
Accessories	Vectis HX Keyboard	
Product Variants		
NVR Variants	Vectis iX06-1TB NVR, Vectis iX16-4TB NVR, Vectis iX32-8TB NVR, Vectis iX48-18TB NVR	
NVS variants	Vectis iX08 NVS, Vectis iX16 NVS, Vectis iX32 NVS, Vectis iX48 NVS, Vectis iX64 NVS	
CMS Variants	Vectis iX32 CMS, Vectis iX128 CMS, Vectis iXUN CMS	

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