



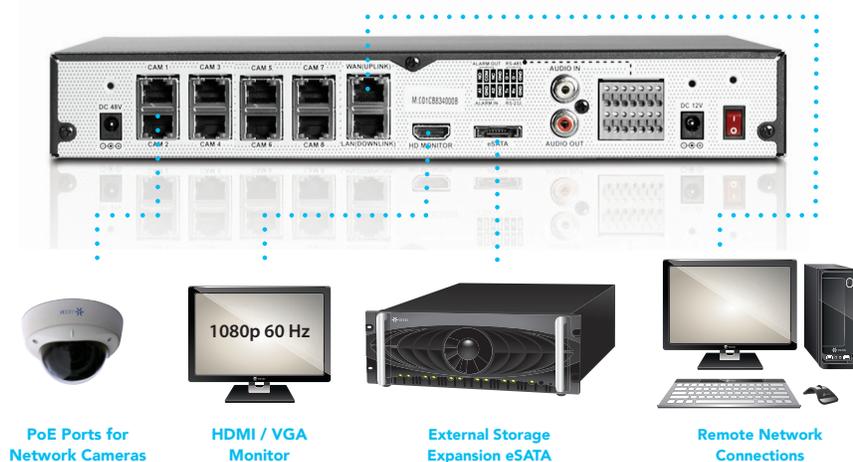
PLUG-AND-PLAY EXPRESS VIDEO RECORDERS SOLUTION GUIDE

Including **new integration with ViconNet 8**
and **compatibility with IQeye cameras**



Express PLUG-AND-PLAY VIDEO RECORDERS

The **Express™ Series of DVRs and NVRs** are cost-effective recorders that make it easy for anyone to install and set up a surveillance system, without the need for networking knowledge or additional hardware. Just connect up to 16 cameras to the device's camera ports and the Express units do the rest. For larger, enterprise systems, these DVRs and NVRs easily integrate with our ViconNet VMS and can be viewed as any other device on the system.



- 1 CONNECT**
- 2 POWER UP**
- 3 DONE**

**IT'S THAT
EASY!**

HDExpress

PLUG-AND-PLAY NVR

The **HDExpress** was designed specifically for high definition displays (1080P), so the menu and navigation is crisp and clean. The high performance hardware is designed to display all high definition H.264 network cameras simultaneously in real-time. The video can be remotely accessed with an internet browser or a mobile device application.



HDXPRES-4L3	4-Channel Embedded NVR, 1U, HDMI/VGA. 120 fps recording and display. Embedded PoE ports for 4 cameras (max: 40W). Storage (2 internal drive bays): 2TB, 4TB and 6TB internal storage + external eSATA.
HDXPRES-8L3	8-Channel Embedded NVR, 1U, HDMI/VGA. 240 fps recording and display. Embedded PoE ports for 8 cameras (max: 72W). Storage (2 internal drive bays): 4TB and 6TB internal storage + external eSATA.
HDXPRES-16L3-HUB	16-Channel Embedded NVR, 1U, HDMI/VGA. 480 fps recording and display. Embedded PoE hub for 8 cameras (max: 72W internal for 8 cameras) and external HUB for additional 8 ports. Storage (2 internal drive bays): 4TB and 6TB internal storage + external eSATA.
HDXPRES-16P3	16-Channel Embedded NVR, 2U, HDMI/VGA. 480 fps recording and display. Embedded PoE ports for 16 cameras (max: 95W internal for 8 cameras and 72W for 8-port external hub included). Storage (5 internal drive bays): 15TB internal storage + external eSATA.

Express

PLUG-AND-PLAY DVR

The **Express** line supports analog cameras and is available in 8-channel and 16-channel versions with a choice of hard drive sizes.

EXPRESS-8	8-Channel Express DVR, 1U, HDMI/VGA analog spot monitor. 240 fps recording and display @960H resolution. Storage (2 internal drive bays): 2TB and 6TB internal storage; model available to be used as encoder.
EXPRESS-16	16-Channel Express DVR, 1U, HDMI/VGA analog spot monitor. 480 fps recording and display @960H resolution. Storage (2 internal drive bays): 4TB and 6TB internal storage; model available to be used as encoder.

Note: Refer to Price List for configurations with different storage capacities.

NEW INTEGRATION WITH ViconNet **VMS**

The Vicon Express family of products now seamlessly integrates with our popular ViconNet VMS. ViconNet's new version 8 offers the option to add these Express units like any other device for live video viewing.

Video can either be recorded directly to a ViconNet NVR, utilizing the Express devices as encoders, or recorded on the edge directly to their internal hard drives and played back using the unique playback interface with built-in timeline and search.



No programming required

WHICH CAMERA SOLUTION IS RIGHT FOR YOU?

New integration with all IQeye® cameras adds to the wide range of cameras that can be seamlessly connected. HDEExpress is also compatible with many 3rd party cameras that have ONVIF protocol. Our knowledgeable staff can advise you on product selection and help you create a video surveillance system that is exactly tailored to your requirements.



IQeye
Alliance-mx



IQeye
Alliance-mini



IQeye
Sentinel Series



Roughneck
V-CELL-HD-A



Cost-Effective
CE102D

AUTOMATIC NETWORK CONFIGURATION



Network Diagnostic Dashboard

With HDEExpress, there's no need to program any IP addresses. Cameras are automatically powered and configured. A diagnostic screen shows users the type and status of each camera connected to the NVR, as well as connections to the local network.

REMOTE INTERFACE



Mobile Apps

View live and recorded video from standard web browsers, smartphones and tablets. The free "nViewer" app is available for download from Google Play and Apple's App Store. When integrated with ViconNet, the Vicon web and mobile client will have full control.

ALARM MANAGEMENT & EVENT NOTIFICATION



Alarm Status Window

HDEExpress makes it simple to manage camera contact relays, video motion detection, hard drive failures, video loss and other alarms. Alarm notification of events can occur by buzzer, video pop-up or email.

USER & GROUP PERMISSIONS



User Setup

System administrators can grant different levels of access and authorization to both individual users and groups. This includes the ability to hide certain cameras and restrict access to functions such as "search" and "record."

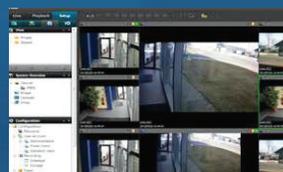
CENTRALIZED CAMERA SETUP



Camera Setup Tool

Cameras can be programmed through the HDEExpress user interface, eliminating the need to individually configure each camera through the camera's web browser.

MULTI-SITE MANAGEMENT SOFTWARE



iPiM Application

A Windows-based application integrates multiple HDEExpress devices into a single virtual interface for remote viewing and management.

MORE FEATURES:

- **Simple Exporting of Video to USB**

Exported, archived video has an embedded watermark that confirms the footage has not been altered.

- **Expandable Storage**

An eSATA port on the rear panel accommodates external eSATA storage devices for situations when internal storage space is insufficient.

DISPLAY

PERFORMANCE

INTERFACE

HDXPRES-4L3-2TB HDXPRES-4L3-4TB HDXPRES-4L3-6TB	HDXPRES-8L3-4TB HDXPRES-8L3-6TB	HDXPRES-16L3-4TB HDXPRES-16L3-6TB	HDXPRES-16P3-15TB
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Display Resolution:	1080P 60Hz			
Live Display:	30 fps @1080P; 120 fps @D1	30 fps @1080P; 240 fps @D1	480 fps @1080P	
Multiscreen Display:	1, 4, sequence		1, 4, 8, 9, 16, sequence	
Internal Storage:	2 TB, 4 TB, 6 TB	4 TB, 6 TB	4 TB, 6 TB	15 TB
Operating System:	Embedded Linux			
Compressions Supported:	H.264 (video); G.711 (audio)			
Cameras (Video Inputs):	4	8	16	
Recording Mode:	Continuous, Motion, Alarm, Panic, Video Loss; Overwrite modes			
Video Output:	HDMI +VGA			
Playback Speed:	x1, x2, x4, x16, x32, x64			
Playback Search:	Time, Thumbnail, Event			
Network:	100Base-T local network for cameras; 100Base-T WAN port for remote access			
Ports/Connectors:	2 USB (3 on HDXPRES-16P3) , PoE (4/8/16 IP cameras), 1 LAN, 1 WAN, eSATA (external storage), VGA and HDMI monitor, audio in/out, alarm in/out, power input (12 VDC/48 VDC; adaptors provided), RS-232C, RS-485, power switch; mouse and remote control provided			
Transmission Rate:	Max. 120 fps (camera dependant)	Max. 240 fps (camera dependant)	Max. 480 fps (camera dependant)	
Network Functions:	Bandwidth control; remote monitoring - web viewer and smartphone application (iPhone, Android, BlackBerry®)			
Remote Users:	8 (max.)			
Multi-Site Control:	Free iPIM software allows management of multiple sites through a single user interface; view up to 64 cameras			
Internal Hard Drives (SATA):	Max. 2	Max. 2	Max. 2	Max. 5, RAID 5
External Hard Drives:	Yes, eSATA			
Backup:	USB			
Security:	Password protection, date authentication (watermarking, MD5), closed network			
Monitor Resolution:	1080p720p/SXGA			
Audio In/Out:	4/8/16 ch In (from IP camera)/1 ch Out			
Alarm Input:	4 ch (IP) + 2 ch (internal), camera dependant	8 ch (IP) + 2 ch (internal), camera dependant	8 ch (IP) + 2 ch (internal), camera dependant	16 ch (IP) + 2 ch (internal) camera dependant
Alarm Output (Relay):	4 channels (IP) + 1 relay (internal)	8 channels (IP) + 1 relay (internal)	8 channels (IP) + 1 relay (internal)	16 channels (IP) + 1 relay (internal)
Languages:	English, French, Spanish, German, Italian, Polish, Russian			
Power-over-Ethernet:	40 W total (15 W per port)	72 W total (15 W per port)	72 W total (15 W per port) /	95 W total Internal; 72 W total External Hub (15 W per port)
Dimensions:	W: 12.0 in. (305 mm) H: 1.7 in. (44 mm) D: 11.7 in. (298 mm)	W: 12.0 in. (305 mm) H: 1.7 in. (44 mm) D: 11.7 in. (298 mm)	W: 12.0 in. (305 mm) H: 1.7 in. (44 mm) D: 11.7 in. (298 mm)	W: 17 in. (430 mm) H: 3.5 in. (88 mm) D: 14.2 in. (360 mm)
Weight (w/o HDD):	8.8 lb (4 kg)	8.8 lb (4 kg)	8.8 lb (4 kg)	15.4 lb (7 kg)
Operating Temperature:	32 - 104° F (0 - 40° C)			
Operating Humidity:	10 - 90%, non-condensing			
Certifications:	FCC Class A, CE			

VICON COMPATIBLE CAMERAS

	IQeye Sentinel Series offers full featured, multi-megapixel H.264 Main Profile all-weather cameras. Wall, ceiling, and parapet mounting options, rugged aluminum construction and IP66 weather resilience allow the camera to be installed in almost any harsh environment. See note below.	IQ861x, IQ862x IQ863x, IQ865x, IQ8712
	IQeye Alliance-mx is a cost-effective compact indoor/outdoor vandal day/night dome camera. A choice of manual or motorized varifocal lenses enables adaptability for a wide range of applications. See note below.	IQM61x, IQM62x IQM63x, IQM65x
	IQeye Alliance-mini cameras offer exceptional full HD resolutions in an ultra-lightweight package. Their true 3-axis gimbal, locking shroud, and PoE design make installation quick and easy. See note below.	IQD61x, IQD62x, IQD63x, IQD65x
	IQeye 7 Series cameras offer best-in-class image quality and network stability in a full-featured, rugged package. The external on-camera SDHC memory expansion port makes the 7 Series a flexible standalone recording platform.	IQ761x, IQ762x IQ763x
	Vicon's Roughneck® V920 Series of HD IP indoor/outdoor domes and bullet cameras are designed for performance in the most demanding installations. Options include a manual or motorized varifocal autoiris lens, WDR and IR illuminators.	V922B-A, V922D-A V923B, V923D
	Cost-effective domes and bullet cameras offer 1080p resolution, day/night capability, IR illumination, and triple streaming video.	CE102B-NIR CE102D-NIR CE202D-X
	The Cruiser™ outdoor PTZ network camera is a 1080p resolution, WDR day/night camera/lens combination with 20x optical and 16x digital zoom.	SN663V-B
	SN680D HD network rugged PTZ camera has an integrated 30x optical zoom lens and integrated IR LEDs to provide illumination up to a range of 1312ft/400m.	SN680D-B-WNIR
	Roughneck V-CELL-HD corner mount camera is designed for rugged performance in the most demanding security installations. The 1080p network fixed camera delivers clear images and includes integrated IR LEDs, speaker, and microphone; it is designed specifically for the corrections market.	V-CELL-HD-A

Note: For resolutions higher than 2MP overall frame rate will be lower.

Refer to Vicon's website for detailed specifications on the Express devices.

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