

# EXPRESS SERIES DIGITAL VIDEO RECORDERS (DVRs)



## Product at a Glance

- › Supports AHD, TVI, and SD analogue cameras
- › 240 FPS recording @1080p. 480FPS @960H
- › H.264 compression
- › Auto notification with self diagnosis (HDD S.M.A.R.T, temperature, network connection status, fan error, etc.)
- › Onscreen Graphical User Interface (GUI) for local control
- › Web interface for remote viewing
- › Easily integrates with the ViconNet VMS
- › Mobile phone applications (iPhone and iPad or Android OS)
- › Easy export of video to USB storage devices

The Express is a plug-and-play Digital Video Recorder (DVR) designed specifically for 1080P High Definition (AHD/TVI/SD) analogue cameras. It is the ideal solution for CCTV users who require an easy-to-use high-quality standalone 8-channel or 16-channel digital video recorder with the benefit of additional remote PC access via a network/Internet. Additional functionality is provided as the Express DVRs integrate easily into the ViconNet VMS version 8 and higher and will deliver up to 64 concurrent streams. The DVR can be used as an encoder to stream video to a Video Management System (VMS) such as ViconNet.

Live monitoring and remote playback are available by web browser. Incorporating high-quality H.264 video and audio encoding and compression technology, these feature-rich DVRs are designed for use with industry standard composite video output CCTV cameras using BNC connectors. AHD, TVI and standard PAL/NTSC formats are supported.

The embedded Linux® operating system provides a reliable platform. Additionally, the S.M.A.R.T self-diagnosis system

analyzes each HDD and provides alerts on potential problems. Replacement of hard drives is simple with easy access to drive bays.

There is a VGA and HDMI video output which can be used as the primary output. The high definition graphical user interface provides intuitive controls and is rich with features such as thumbnail searches, event logs, and network connections status dashboard. The operator can choose to use a standard USB mouse or a remote control. Remote access to the NVR is simple with a thin-client HTML interface. iPhone®, iPad®, and Android™ smart phone applications are also available.

Managing multiple sites for remote viewing is possible using iPIM, a free Windows®-based application that integrates both Express DVRs and HExpress NVRs into a single graphical user interface. Connect up to 64 simultaneous video streams from multiple Express devices, which can be displayed in an unlimited number of views. Video can be displayed across multiple monitors. A web interface is available for remote viewing.

**Table 1: Model Descriptions**

Model Number	Description
EXPRESS-8-B EXPRESS-8-4TB-B EXPRESS-8-6TB-B	8-channel embedded DVR, no HDD, 2 TB and 6 TB storage versions (2 hard drive bays), 1080P realtime recording @1080P and HDMI +VGA video output on rear panel; 100-240 VAC
EXPRESS-16-B EXPRESS-16-4TB-B EXPRESS-16-8TB-B	16-channel embedded DVR, 4 TB, and 6 TB storage versions (2 hard drive bays), 240 fps recording at 1080P. 960H realtime recording and HDMI +VGA video output on rear panel; 100-240 VAC
HDXPRES-RK-4/8	Rack mount kit for Express DVRs

# EXPRESS DVRS SPECIFICATIONS

	EXPRESS-8-B EXPRESS-8-4TB-B EXPRESS-8-6TB-B	EXPRESS-16-B EXPRESS-16-4TB-B EXPRESS-16-8TB-B	
DISPLAY	Main Display Output:	1920x1080(HD Display, VGA)	
	Live Display:	240 fps @1080P	240 fps @1080P; 480 fps @960H
	Multiscreen Display:	1, 4, 9, sequence	1, 4, 6, 8, 9, 16, sequence
	Internal Storage:	2 EA (SATA HDD: 6TB maximum)	
	Operating System:	Embedded Linux	
	Watchdog:	Yes	
	Compressions Supported:	H.264 (video); G.711 (audio)	
	Supported Signal Input	AHD, TVI, SD	
	Cameras (Video Inputs):	8	16
	Recording Resolution:	1080P/960H/D1/2CIF/CIF	
	Recording Rate:	Up to 240FPS @ 1080P/ D1	Up to 240FPS @ 1080P; Up to 480FPS @ 960x480 / D1
	Recording Mode:	Continuous, Motion, Alarm, Panic, Video Loss; overwrite modes	
	Video Output:	HDMI +VGA	
	Playback Speed:	x1, x2, x4, x8, x16, x32, x64 (120 fps @ 1080P; Real-time @D1)	
	Playback Search:	Time, Thumbnail, Event	
	NETWORK	Network LAN Port:	1000 Base-T
Ports/Connectors:		2 USB, 1 LAN, HDMI monitor, audio in/out, 4 Alarm IN, 1 alarm OUT, power input (12 VDC; adaptors provided), RS-485*, power switch; mouse and remote control provided	
Transmission Rate:		Max. 240 fps (camera dependant)	Max. 480 fps (camera dependant)
Network Functions:		Bandwidth control; remote monitoring - web viewer and smart phone application (iPhone, Android, BlackBerry®)	
Remote Users:		10 (max.)	
Max. Streams on VMS:		Up to 64 concurrent streams (for example, 4 clients with 16 cameras; 8 clients with 8 cameras; 64 clients with 1 camera)	
Multi-Site Control:		Free iPIM software allows management of multiple sites through a single user interface; view up to 64 cameras.	
Protocols:		WS-Discovery, RTP, RTSP, RTCP, SMTP, NTP, HTTP, FTP, DDNS, DHCP, UPnP	
Security:		Password protection, date authentication (watermarking, MD5), closed network	
Audio In/Out:		4 channel IN/1 channel Out	
Alarm Input:		4 Alarm In (pulled up to 5V via 10KOhm)	
Alarm Output (Relay):		1 alarm OUT (5V,35mA)	
Languages:		English, French, Spanish, German, Italian	
Power:		12VDC, Adaptor, 3A, 100~240V AC, 50-60Hz; 25W(HDD 2ea, Segate Pipeline 500GB)	12VDC, Adaptor, 3A, 100~240V AC, 50-60Hz; 25W(HDD 2ea, Segate Pipeline 500GB)
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)
Weight (w/o HDD):		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:	UL, CUL, FCC Class A, CE		

\*RS-485 Supported PTZ Protocols: interM, LPT-A100L, Takex, PTC-200, PTC-400c, WV-csr604, WV-cs850, MRX\_1000, Multix, Spd\_3300, SCC-643A, SCC-641, Ganz\_PT\_V3\_2, FastraxII\_2, D-Max, Mesa-dome, Pelco-P, Pelco-D, Lilin, and Vicon



## 8-Channel Rear

Data Sheet Number: V275-00  
 Vicon Data Sheet Part Number: 8009-7275-00-03  
 Dated: 06/2017  
 Specifications subject to change without notice.  
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