

HDExpress Series Network Video Recorder (NVR)



- 1080P/60 Hz (1920 x 1080) real-time recording and display
- Built in Power-over-Ethernet (IEEE 802.3af) switch
- No programming of network cameras required
- Auto notification with self diagnosis (HDD S.M.A.R.T, temperature, network connection status, fan error, etc.)
- Onscreen Graphical Interface (GUI) for local control
- Web interface for remote viewing
- Mobile phone applications (iPhone and iPad or Android OS)
- Easy export of video to USB storage devices

The HDExpress™ is a plug-and-play Network Video Recorder (NVR) designed specifically for High Definition (HD) IP cameras. The system includes PoE ports for each camera, allowing the NVR to provide power directly to a maximum of 16 cameras. The software automatically detects and configures network cameras, eliminating the need to program any settings in the camera.

The HDExpress is optimized to work seamlessly with Vicon's V960 series and V992 high definition 1080P cameras; contact your Vicon sales representative for a list of compatible network cameras. All of the features of the camera can be configured directly through the local user interface, including zoom and focus of the lens. The HDMI 1080P/60 Hz output provides high quality multi-camera display. The graphical user interface is intuitive and easy to navigate.




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™ smartphone applications are also available.

The embedded Linux® operating system provides a reliable platform, and self-diagnosis features such as HDD S.M.A.R.T and network connection alerts simplify diagnosing problems. Replacement of hard drives is simple with easy access to hard drives.

Table 1: Model Descriptions

Model Number	Description
HDXPRES-4-2000	4-channel embedded NVR, 1U, 2 TB included (2 hard drive bays); 100-240 V/AC
HDXPRES-8-2000	8-channel embedded NVR, 1U, 2 TB included (2 hard drive bays); 100-240 V/AC
HDXPRES-16-4000	16-channel embedded NVR, 2U, 2x 2 TB included (5 hard drive bays), includes 8-port internal and 8-port PoE switch; 100-240 V/AC

Table 2: Accessories

	Modell	Beschreibung
	V992-N525	1080P mini box camera with integrated 5x motorized zoom lens, H.264/M-JPEG IP day/night camera, 5-25 mm megapixel (focus/zoom) lens, PoE
	V992D-N4	1080P mini dome camera with integrated 4 mm fixed lens, H.264/M-JPEG IP day/night camera, impact resistant (IP66 rated), PoE
	V960 Serie	All D1/720P models (indoor dome, outdoor dome, box, bullet)

	HDXPRES-4	HDXPRES-8	HDXPRES-16
DISPLAY	Display Resolution		
	1080P 60Hz		
	Live Display		
	100 fps @1080P	200 fps @1080P	400 fps @1080P
PERFORMANCE	Multiscreen Display		
	1, 4, sequence	1, 4, 6, 8, 9, sequence	1, 4, 8, 9, 16, sequence
	Operating System		
	Embedded Linux		
SECURITY	Watchdog		
	Yes		
	Compression		
	H.264 (video); G.711 (audio)		
NETWORK	Cameras (Video Inputs)		
	4	8	16
	Recording Mode		
	Motion, Alarm, Panic, Video Loss; overwrite modes		
ANALOG	Playback Speed		
	x1, x2, x4, x16, x32, x64		
	Playback Search		
	Time, Thumbnail, Event		
INTERFACE	Network		
	100Base-T local network for cameras; 100Base-T WAN port for remote access		
	Ports/Connectors		
	2 USB, PoE (4/8/16), 1 LAN, 1 WAN, eSATA (external storage), HDMI monitor; mouse and remote control provided		
REMOTE	Transmission Rate		
	Max. 100 fps (camera dependant)	Max. 200 fps (camera dependant)	Max. 400 fps (camera dependant)
	Network Functions		
	Bandwidth control; remote monitoring - web viewer and smartphone application (iPhone, Android, BlackBerry®)		
FACTORY	Remote Users		
	8 (max.)		
	Protocols		
	WS-Discovery, RTP, RTSP, RTCP, STMP, NTP, HTTP, FTP, DDNS, DHCP, uPNP		
ACCESS	Storage Capacity (expandable)		
	2 TB	2 TB	2x 2 TB
	Internal Hard Drives (SATA)		
	Max. 2	Max. 2	Max. 5
GENERAL	External Hard Drives		
	Yes, eSATA		
	Backup		
	USB		
FEATURES	Security		
	Password protection, date authentication (watermarking, MD5), closed network		
	Monitor		
	HDMI; 1080p, 60 Hz resolution		
GENERAL	Audio In/Out		
	4 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	16 ch (IP) + 2 ch (internal), camera dependant
GENERAL	Alarm Output (Relay)		
	4 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		
GENERAL	Power		
	12 V adaptor, 48 V adaptor (PoE); 20 W max. power consumption (w/o HDD)	12 V adaptor, 48 V adaptor (PoE); 20 W max. power consumption (w/o HDD)	SMPS 12 V 100 W, SMPS 48 V 100 W (PoE); 25 W max. power consumption (w/o HDD)
	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: 17 in. (430 mm); H: 3.5 in. (88 mm); D: 14.2 in. (360 mm)
GENERAL	Weight (w/o HDD)		
	8.8 lb (4 kg)	8.8 lb (4 kg)	15.4 lb (7 kg)
	Operating Temperature		
	32 - 104° F (0 - 40° C)		
GENERAL	Operating Humidity		
	10 - 90%, non-condensing		
GENERAL	Certifications		
	FCC Class A, CE		

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