

HDExpress Real-Time Embedded NVR Series

The HDExpress real-time embedded NVR series provides a simple to install and cost effective solution for High Definition Network Cameras. The system includes PoE ports for all cameras allowing the NVR to provide power directly to a maximum of 16 cameras, negating the requirement for a separate PoE switch to be supplied. The software automatically detects and configures network cameras as they are plugged into the unit. [Programming is optional.](#)



Installed in Record Time

- 1 Plug in the cameras, monitor and power supply
- 2 Turn on the HDExpress NVR
- 3 Done!

Simple to add storage

The 4/8 channel HD Express supports two hard drives and the 16 channel model supports 5 hard drives. The NVR automatically detects and formats new SATA drives which makes maintenance or expansion simple. An eSATA port provides additional storage capabilities.

Storage calculations

The NVR allows users to adjust variables that determine the number of days of recording. The unit can be programmed to notify the user with an alarm if a desired period of time cannot be stored on the NVR. This will allow the operator to adjust settings or increase the amount of storage installed in the NVR. Motion based recording is an effective means of extending the units recording capabilities. Other options are to reduce the recorded resolution, the compression ratio, and/or frame rate. The following table is a tool to estimate for the amount of hard drive storage required.

Cameras	X	GB/Day	X	Days	X	% of day recorded	=	Total
8	X	20	X	15	X	0.60	=	1,440 GB

Example: 8 cameras x 20 GB/day (1080P 12 fps) x 15 days x 0.60 (60% of day motion) = 1,440 GB

Estimated Storage (GB) for 1 camera daily:

	7 fps	12 fps	25 fps
1080P	12	20	41
720P	7	11	24