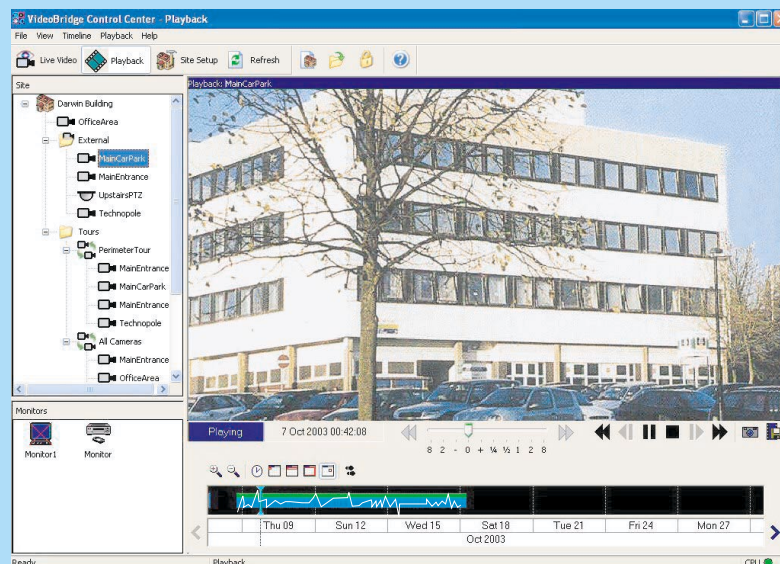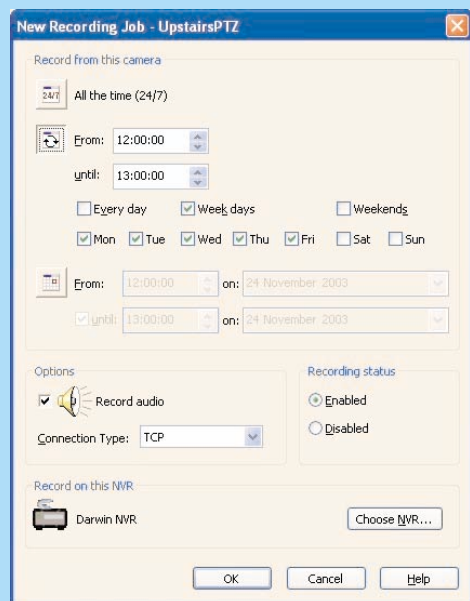# VideoBridge™

Windows NVR Software 8000

A networked server that efficiently records digital video and audio

VideoBridge Windows Networked Video Recorder Software 8000 (NVR) is a standalone server application. When installed on a standard PC, it provides a powerful and integrated recording system for video and audio from VideoBridge transmitters and cameras. Each NVR in a system can simultaneously record and play back pictures from up to 100 cameras. VideoBridge NVRs are managed by the VideoBridge Control Center 2 application. Video can be played back to PCs, analog monitors and standard VCRs.

MPEG4 Recording

- A single VideoBridge NVR can replace many multiplexors and VCRs.
- The VideoBridge NVR software requires no specialist hardware and can be installed on standard PCs and servers.
- Storage cost savings: a month's video footage can be stored on a standard PC with instant access to any point in the recording.
- Remote management: the VideoBridge NVR can be located at any point on a network allowing recording and playback across multiple sites regardless of geographical location.
- Powerful recording options: recordings can be configured to start at specific times or as a response to alarms (including motion alarms). Recordings can then run for a fixed duration or until a specified time. They can also be started immediately by an operator.

- Usable as evidence: once recorded, video cannot be altered, ensuring the audit trail is intact for evidential purposes.
- Secure recording and storage: the VideoBridge NVR client server architecture allows recordings to be held in a secure room, or even offsite, while employees access them remotely across the computer network.
- Automated disk managment: the VideoBridge NVR automatically manages the available disk space. You can configure policies to automatically delete old recordings when the disk becomes full.
- Compatible and verified with industry standard tape-based archive systems, which allow very large storage capacities at low cost.
- A VideoBridge NVR can be accessed simultaneously locally or remotely by any number of users using VideoBridge Control Center 2.

VideoBridge Control Center 2 lets you specify the frequency and nature of recording jobs.

The VideoBridge Control Center 2 Playback window lets you search for and play back recordings.

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High density flexible recording options

- Records up to 100 cameras on a single PC or device.
- Full frame rate regardless of the number of streams (network and CPU dependent).
- Records both video and audio.
- Alarm-triggered recording - binary inputs or motion detection on the VideoBridge transmitter can be used to start/stop recordings.
- Time-triggered recording - schedule regular recordings according to time of day.
- No special network or cabling requirements - can be run over existing company networks without degradation.

- Digital recording - no footage degradation with viewing/copying.
- No drop in frame rate with multiple streams - unlike analog multiplexors, the frame rate of each stream is independent; all streams can be full frame rate if required.
- Low bandwidth utilization - can be used on an existing computer network without degrading network or stream performance.
- Seamless integration with scaleable storage solutions: local hard disk, RAID array, network-attached storage.
- Compatible with standard PC backup software.

Recording Capacity Guidelines

The following table estimates the amount of recording available (number of 24-hour days) with different cameras at full frame rate. Since VideoBridge transmitters only use required bandwidth, the actual recording capacity may be more or less than indicated. For more accurate estimates of recording capacity, please see the IndigoVision website or contact IndigoVision's Partner Support.

Recording capacity at SIF resolution and full 25/30 fps in days per camera (24 hour recording), with 500GB disk space

	Level of motion	1 camera	8 cameras	16 cameras
Fixed camera	Low	250	31	15
	Medium	200	25	12
	High	167	21	10
PTZ camera	Low	167	21	10
	Medium	143	18	9
	High	125	16	8

Performance Guidelines

NVR servers have been proven up to the following levels:

	16-stream	32-stream
Simultaneous active recordings	16	32
Max. recordings per day	5 000	10 000
Simultaneous remote clients	2	5
Simultaneous playbacks while recording	4	8
Minimum recording length	1 minute	1 minute
Max bitrate for 1 stream	4Mbps	4Mbps
Max bitrate per stream for *n* streams	2Mbps	1Mbps
Network requirements	100Mb	100Mb
Maximum network load	30%	30%

Order Codes

Windows NVR software 8000 (per stream) 080001

Annual Maintenance Windows NVR (per stream)
(minimum 8 streams)   080501

System Specification Guidelines

	16-stream	32-stream
Processors	Single-CPU	Single-CPU
Processor Class	Pentium III Class (1GHz)	Pentium IV Class (2GHz)
RAM	256MB	512MB
Network card	100Base-T	Gigabit Ethernet
Operating System	Windows 2000/2003	Windows 2000/2003
Disk Space	500GB	1000GB

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