

Video Storage Devices

The Geoffrey Digital Video Storage Devices are state-of-the-art video storage systems with a minimum storage capability of high resolution color video from 4, 8 or 16 cameras at 1 frame per second (fps) for a minimum period of 31 days using video motion detection*. These versatile units are scalable to provide either increased resolution, frame capture rates or archive durations.



GVSD16 Front View (Closed)



GVSD16 Front View (Open)



GVSD4/GVSD8

FEATURES:

- Eliminates the need for video multiplexers and video tape recorders
- Reduces the need for human intervention and, therefore, possible errors in maintaining stored video records (no video tape changes)
- Provides Searchable Indexed Storage for *Instant Access* to Stored Video Based on a Variety of Criteria (Day, Time, Camera, Alarm etc.)
- Eliminates start and stop searching (when using VHS recording) ; GVSD units record and playback simultaneously
- Integrated video motion detection (VMD) affords most efficient use of disk space by recording video only during periods of activity
- Fully integrates with Geoffrey Access Control Version 5 allowing 100% date/time synchronization - GVSD captures video associated with Geoffrey transactions and events
- Playback is jitter-free and stable unlike time lapse VHS
- Authorized personnel can easily distribute video clips via email
- Individually variable video compression level per camera
- Multiple video selection save modes: single frame JPEG[▲], multiple frame JPEG[▲], AVI video[▲], Encrypted VFR[†]
- Playback and search capability over network via TCP/IP
- Variable search methods including by camera, date and time, day of week, server and directories, and type of storage
- Multiple hard drive and directory storing
- Variable maximum hard drive usage per hard drive or directory
- During playback, scroll through selections forward or reverse to find the desired video more efficiently and quickly
- FIFO (first in, first out) capable

[▲] Playback on any standard windows media viewer

[†] Requires proprietary decoder for playback

SOFTWARE SPECIFICATIONS:

- Built-in motion detection
- Storage Capabilities: *Continuous VMD* (Video Motion Detection) - continuously records video; *Event Recording*- record 15 seconds pre-event, the event, and 30 seconds of post-event when used in conjunction with GVTR
- Individually variable recording frame rate per

Geoffrey Video Storage Device Hardware Specifications

DVR s	GVSD-4/30	GVSD-4/60	GVSD-8/30	GVSD-8/60	GVSD-8/120
Case	2U-short Rack Mounted Server Case	2U-short Rack Mounted Server Case	2U-short Rack Mounted Server Case	4U-short Rack Mounted Server Case	4U-short Rack Mounted Server Case
CPU	P-4 2.8GHz 800MHz	P-4 2.8GHz 800MHz	P-4 2.8GHz 800MHz	P-4 2.8GHz 800MHz	P-4 2.8GHz 800MHz
RAM	1024 MB PC3200	1024 MB PC3200	1024 MB PC3200	1024 MB PC3200	1024 MB PC3200
Hard Drive	1 400 GB	1 400 GB	1 400 GB	1 400 GB	1 400 GB
Floppy	1.44 MB	1.44 MB	1.44 MB	1.44 MB	1.44 MB
CD-RW	Internal 52x32x52	Internal 52x32x52	Internal 52x32x52	Internal 52x32x52	Internal 52x32x52
CD-RW Software	Included	Included	Included	Included	Included
Video Card	64 MB w/TV 2/4x	64 MB w/TV 2/4x	64 MB w/TV 2/4x	64 MB w/TV 2/4x	64 MB w/TV 2/4x
Video Input Options	4 BNC Video Inputs	4 BNC Video Inputs	8 BNC Video Inputs	8 BNC Video Inputs	8 BNC Video Inputs
Network Card	Integrated Ethernet	Integrated Ethernet	Integrated Ethernet	Integrated Ethernet	Integrated Ethernet
Operating System	Windows XP Professional	Windows XP Professional	Windows XP Professional	Windows XP Professional	Windows XP Professional
Storage Capabilities	4 cameras at 30 fps for 30 days	4 cameras at 60 fps for 30 days	8 cameras at 30 fps for 30 days	8 cameras at 60 fps for 30 days	8 cameras at 120 fps for 30 days
Dimensions	19"W x 22"D x 3.5"H	19"W x 22"D x 3.5"H	19"W x 22"D x 3.5"H	19"W x 20"D x 7"H	19"W x 20"D x 7"H

DVR s	GVSD-16/60	GVSD-16/120	GVSD-16/240	GVSD-HS/60	GVSD-16HS/120	GVSD-16HS/240
Case	4U-short Rack Mounted Server Case	4U-short Rack Mounted Server Case	4U-short Rack Mounted Server Case	4U-short Rack Mounted Server Case	4U-short Rack Mounted Server Case	4U-short Rack Mounted Server Case
CPU	P-4 2.8GHz 800MHz	P-4 2.8GHz 800MHz	P-4 2.8GHz 800MHz	P-4 2.8GHz 800MHz	P-4 2.8GHz 800MHz	P-4 2.8GHz 800MHz
RAM	1024 MB PC3200	1024 MB PC3200	1024 MB PC3200	1024 MB PC3200	1024 MB PC3200	1024 MB PC3200
Hard Drive	1 400 GB	1 400 GB	1 400 GB	(4) 400 GB	(4) 400 GB	(4) 400 GB
Floppy	1.44 MB	1.44 MB	1.44 MB	1.44 MB	1.44 MB	1.44 MB
CD-RW	Internal 52x32x52	Internal 52x32x52	Internal 52x32x52	Internal 52x32x52	Internal 52x32x52	Internal 52x32x52
CD-RW Software	Included	Included	Included	Included	Included	Included
Video Card	64 MB w/TV 2/4x	64 MB w/TV 2/4x	64 MB w/TV 2/4x	64 MB w/TV 2/4x	64 MB w/TV 2/4x	64 MB w/TV 2/4x
Video Input Options	16 BNC Video Inputs	16 BNC Video Inputs	16 BNC Video Inputs	16 BNC Video Inputs	16 BNC Video Inputs	16 BNC Video Inputs
Network Card	Integrated Ethernet	Integrated Ethernet	Integrated Ethernet	Integrated Ethernet	Integrated Ethernet	Integrated Ethernet
Operating System	Windows XP Professional	Windows XP Professional	Windows XP Professional	Windows XP Professional	Windows XP Professional	Windows XP Professional
Storage Capabilities	16 cameras at 60 fps for 30 days	16 cameras at 120 fps for 30 days	16 cameras at 240 fps for 30 days	16 cameras at 60 fps for 30 days	16 cameras at 120 fps for 30 days	16 cameras at 240 fps for 30 days
Dimensions	19"W x 20"D x 7"H	19"W x 20"D x 7"H	19"W x 20"D x 7"H	19"W x 20"D x 7"H	19"W x 20"D x 7"H	19"W x 20"D x 7"H

*Hard disk calculations based on average 7k frame size generated using standard NTSC color bar frame generator continuously recording 24 hours a day, 7 days a week (i.e. no use of Video Motion Detection).

*Testing indicates a typical camera in high activity area records only 45% of the time when using Video Motion Detection. (This statistic excludes all pan/tilt & zoom cameras). By using VMD, the number of days of storage can be extended to 48 days.



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