3xLogic Inc Intelligent Video Surveillance

Vigil VRM Package v2.00

User's Guide

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1 Introduction

The VRM software is a management tool for organizing digital material related to cases. This can include:

- Recorded video and audio from a Vigil or Sanyo DVR-M8xx series digital video recorder (DVR).
- Pictures taken with digital cameras or scanned images.
- Audio gathered from digital voice recorders in Olympus DSS format.
- Documentation such as Microsoft Word documents, spreadsheets, Adobe PDF, and more.
- Centralizing information such as addresses, contact information, notes, and more, of internal and external personnel.

VRM organizes all media and information via case files. Each case file will have specific information such as a case number, involved investigators, offence committed and general notes. For each case, a number of sessions will be added which contain the different media and information.

All media can be easily exported for distribution to colleagues, attorneys, or other involved parties by using the built-in export functions of VRM to write to CD or DVD writers.



All case and session information is searchable using powerful search and filter functionality. Vigil video and audio footage are played back with Window Media Player, whereas Sanyo video clips are played back using the fully featured DV Player and Sanyo audio is played back using the VRM software built-in audio player.

2 System Requirements

	Recommended PC Requirements
Processor	Intel Pentium 4 with 2GHz minimum processor speed or faster
Memory	512MB RAM or more
Video	AGP SVGA card with minimum 16MB video RAM, 1024x768 display resolution, and DirectX 8.1 application programming interface
Operating System	Windows 2000 SP4 or Windows XP SP2 DirectX 8.1 or newer

	Additional Requirements
LAN/WAN Connectivity	VRM must have LAN/WAN connectivity to the digital video recorder(s).
Digital DVR	Vigil DVR Unlimited storage (based on Vigil DVR type) Up to 32 channels of video and audio plus additional network cameras and audio Sanyo DVR-M800 Limited to 240GB of storage Only the last octet of the IP address can be configured; always set to 102.168.0 ###
	Sanyo DVR-M810 Will support 600GB of storage Sanyo DVR-M814 Will support 600GB of storage Four channels of video and audio
Olympus Voice/DSS Integration	Olympus DSS Player Release 4.x/3.x or DSS Player 2002 must be installed (normally available from the voice recorder software package).

3 Quick Start

Vigil DVR or Sanyo DVR Setup

- Disconnect existing VCR and remove.
- Reconnect cameras, audio and power to the Vigil or Sanyo DVR.
- Connect the network cable and keyboard and mouse (if applicable) to the DVR.
- Configure the network for the DVR. For Vigil DVRs, the network is setup during the Windows installation. For Sanyo DVRs, the network is setup via the Sanyo DVR menu or dipswitches. (See Sanyo DVR-M800 manual pages 37-38) (See Sanyo DVR-M810 manual pages 39-41)
 (See Sanyo DVR-M810 manual pages 59-61)

(See Sanyo DVR-M814 manual pages 59-61)

Workstation Setup

- Install MSDE.
- Install VRM software.
- Connect the digital voice recorder of your choice and install any software that comes with this device.
- Start VRM application.
- Create a user with administrator privileges.
- Configure the VRM settings.

Test System

- Record and download video.
- Record and download audio.
- Export video and audio.
- Import video and audio.

Initial Setup Complete

Your new digital video recording system is now ready for use. Please read the rest of the guide to become familiar with the many features of this system.

4 Features

Feature	Details
Simple VCR Replacement	Direct replacement for VCR, simply remove cables from VCR and plug into DVR.
Accessible from any PC on the network	Play/search/record footage from any PC on the network running the VRM software suite.
Export Video, Audio, and Images	 Recording Sanyo footage to DVDs playable on any consumer DVD player. Export Sanyo video in AVI or MPG2 format, or Vigil video in AVI format. Export images in BMP or JPG format. Generate and export Sanyo audio files in WAV format.
Sound	Import audio files from handheld digital recording devices in WAV or Olympus DSS format.
Digital Pictures	Import digital pictures in any standard format: JPEG, BMP, TIFF, RAW, and more.
Documents	Import a variety of other types of documents ranging from Microsoft Word documents, spreadsheets, scans, faxes, e-mails, etc.

5 Hardware Installation

This section describes the installation of the Sanyo DVR-M800, DVR-M810, DVR-M814, the Microsoft SQL Server 2000 Desktop Engine (MSDE), and the VRM software. Please see the Vigil Server User's Guide for details on setting up a Vigil DVR.

5.1 Replacing your VCR with the Sanyo DVR

Connect your existing VCR's video and audio cables to the DVR. Connections diagrams for the different units are as follows.

You will also need to connect a network cable to attach the DVR to your network.

5.1.1 Sanyo DVR-M800 Connections



5.1.2 Sanyo DVR-M810 Connections





5.2 Configuring the DVR

The configuration instructions are for the DVR-M814, others may vary.

- Connect a display to Monitor Out.
- Turn the DVR on.
- The DVR will display a self-check routine screen. Wait until this has finished as it may take a few minutes.
- Click the *Menu* button on the DVRs front panel.
- Navigate to entry number six, RS485/Network/Remote Set using the front panel arrow keys.
- Use the right arrow key to enter the settings.
- Navigate to *Advanced Setting*, again clicking the right arrow key to enter the advanced settings screen.
- Navigate to *IP Address* and click the right arrow key.
- Clicking the right arrow key will select each porting of the IP address in sequence. When the portion of the IP address you wish to change is highlighted, use the up and down arrows to change the number.
- When the IP address has been entered, return to the main screen by clicking *Menu* again.
- Continue on to the next step of installing the VRM software package on your computer.

5.2.1 Typical Installation



6 Software Installation

6.1 If MSDE Already Exists on the Target System

Warning: If you already have an installation of MSDE (Microsoft SQL Server Desktop Engine) on the system where you are trying to install VRM then you must make sure that the SQL administrator password is set to blank before proceeding. After VRM has installed successfully then the SQL administrator password can be returned to its non-blank state.

6.2 If MSDE Does Not Exist on the Target System

If you downloaded your install kit for MSDE (Microsoft SQL Server Desktop Engine), simply double-click the EXE file that you downloaded to run it. If you are installing from CD, load it in your CD-ROM drive and run the EXE on it.

0

Note: To install MSDE you must have at least 76MB of free hard drive space.

Navigate through the installation screens as follows:

Install Screen	Details
Welcome	Names the software you are installing
Ready To Install	Offers one more chance to abort the installation. Click Next to start the installation.
Progress/Complete	Informs the user of the status of the installation progress/completion. The installation may take a few minutes. Click <i>Finish</i> to exit the setup screen.
Restart	Click to restart the computer.

To uninstall MSDE, go to *Add/Remove Programs* (*Start | Settings | Control Panel | Add/Remove Programs*), and click *Remove* by the entry *MSDE*. Follow the prompts to perform the removal process.

6.3 Special Windows XP Installation Notice

Warning: During the installation you may get a Windows File Protection and/or a Windows Logo testing notice. Please follow the following instructions when this happens. Failure to do so can result in a non-functioning software installation.



Click Continue Anyway.

Windows File Protection	×
Files that are required for Windows to run properly have been replaced by unrecognized versions. To maintain system stability, Windows must restore the original versions of these files.	
Insert your Windows XP Professional Service Pack 2 CD now.	
Retry More Information Cancel	ב

Click Cancel.

Window	s File Protection
⚠	You chose not to restore the original versions of the files. This may affect Windows stability. Are you sure you want to keep these unrecognized file versions?
	Yes No

Click Yes.



Click Yes.

6.4 Installing VRM Software

To install VRM you must have at least 20MB of free space on your hard drive: 10MB to load, and 10MB once loaded.

Note: If you are upgrading to a newer version of the VRM software, please make sure you have the upgrade version of the install package.

If the install kit for VRM has been downloaded, simply double-click the EXE file that you downloaded to run it. If you are installing from CD, load it in your CD-ROM drive and run the EXE on it.

The installation process performs the following functions:

- Installs VRM software (required).
- Installs multimedia CODECs for audio/video encoding/decoding (required).
- Installs Adobe Acrobat Reader for viewing the User's Guide (optional).
 - Acrobat Reader has its own install process. Please be sure to follow the prompts. If you already have a PDF viewer installed, you can safely click *No* at the prompt.
- Installs DV Player for video playback (optional).

6.5 Upgrading VRM Software

To upgrade VRM software go to the program called *Update* (*Start | Programs | Vigil*). Browse to the location of the update file (has a VGL file extension) and select *Open* and then click, *Update* to begin the updating process. You will be prompted to restart your computer. The update will begin the next time the operating system loads.

6.6 Uninstalling VRM Software

To uninstall VRM software, go to *Add/Remove Programs* (*Start | Settings | Control Panel | Add/Remove Programs*), and click *Remove* by the entry *VRM*. Follow the prompts to perform the removal process.

7 Initial Program Setup

When the VRM application is opened for the first time, the following window will alert you to set up a user with administrator privileges.



Click

ok and the *Settings* window will open with the *Personnel* tab selected.



Click Add to create new users in the *Personnel Info* window.

魐 Pe	rsonal Info)				[
Pers	onal Informal	tion					
Last	Name			First Name			
Secti	ion		~	Phone			
Cour	ntry	United States of America	~	State			*
Туре	•	Investigator	~	Administrator			
Depa	artment			Regimental #			
User	Name			Password			
Note	s						
							_
					OK		Cancel

Because this is the first account created, it must be set as an administrative account. Enter a user name and password and any other pertinent information to enable the *Administrator* check box. Check this box and click OK; you will be asked to confirm the password.

Warning: Do not forget this user name and password. If the user name and password are forgotten, VRM will lock you out of the system. If this happens, see Section 16: Contact Information.

After setting up an administrator account, the remaining settings should be configured to ensure full functionality of the VRM software.

7.1 Settings Window

All information that will be used on a regular basis within the main program is entered here in the *Settings* window. The location and IP addresses of all the DVRs in the system are also entered here.

Note: The *Apply* button will save the changes to the database without closing the *Settings*

window. This will allow you to continue on to another section. Clicking will save the changes to the database and close the *Settings* window.

7.1.1 General Settings Tab

🎐 Settings	
General Settings General Setting	Path Settings Sections Personnel Session Types Locations Recorders Offences
Default Countr	ry United States of America
Include DV Automatica	Player with data exports ally generate WAV audio files when Recording/Downloading video
Default New	w Cases/Sessions as Private Alarms Only video searching
Load Defaults	Save settings as initial profile for new Windows user accounts OK Cancel Apply

Site Name	Enter a site name here. This can be anything from a store location to a precinct number.
Show splash screen on startup	Check/uncheck this box to show/hide the VRM splash screen on program startup.
Default Country, State/Province	You can specify a default country and state/province to expedite data entry for personnel and case entities.
Include DV Player with data exports	Check this box to include the DV Player with data exports. This will ensure that software is available to play back exported video footage.
Automatically generate WAV audio files when Recording/	Check this box to automatically generate WAV audio files when recording or downloading video from a Sanyo DVR.
Downloading video	which is always saved in AVI format.
Default New Cases/Sessions as Private	Enables cases and sessions that are created to become private by default.
Default to Alarms only Video Searching	Allows a search to be narrowed down to alarm footage only.

7.1.2 Path Settings Tab

Path Settings		
Audio (DSS) Source Path	C:/	
DVD Temp Path	C:\DOCUME~1\Testy\LOCALS~1\Temp\	
DV Player Path	C:\Program Files\Vigil\	
Case Materials Path	C:1	

Audio (DSS) Source Path	Here you can specify the path to your digital voice recorder. If one is not present, the setting can be left at default.
DVD Temp Path	Enter a location for the temporary storage of files while a DVD is being created. This location should be on a drive with at least 10GB of available storage and on a separate drive partition from the Case Materials Path, if possible.
DV Player Path	Enter the location of the DV Player software.
Case Materials Path	Enter the location to store case materials. VRM will create a new directory for each case under the <i>Case Materials Path</i> . The unique case number will generate the folder name.
	Note : It is highly recommended that you change the default setting to a different physical drive, or at the very least, a different logical partition on the hard drive to prevent any issues from arising due to lack of storage space.

7.1.3 Sections Tab

If the organization is divided into departments or sections, users can be assigned to specific sections. At least one section must be created, but there is no limit on the amount of sections that can be added.

donior di Doccingo	Path Settings	Sections	Personnel	Session Types	Locations	Recorders	Offences
Sections							
🔶 🔜 Add Edit	× Delete						
Public Relation Homicide International C Traffic	; rime						

Add	Opens the Section Info window. Enter the name of the new section and click
	Section Info Description OK Cancel
Edit	Opens the Section Info window for the selected section. The name of this section can be changed here.
X Delete	Deletes the selected section. Note: You cannot delete a section that is already associated with a case.

7.1.4 Personnel Tab

The *Personnel* tab is where a listing of your personnel can be created. Personnel are the people who administer the system; they can add and edit data to the system, or just access the information provided by the system.

General Settings Path Settings Sections	Personnel Session Types Locations Recorders Offences
Personnel	
Summer, Jen (user) [Investigator]	
Smith, John (jsmith) [Investigator] Layton, Patty (playton) [Investigator]	
Seagal, Scott [Transcriber]	

If a user is to have log on privileges, it is important to assign a user name and a password for each user. This will allow them to log on to VRM.

It is also important to assign a few power users administrator status. This allows them access to the *Settings* window and allows them access to all created cases and sessions, giving them full editing rights. The *Administrator* checkbox will become active as soon as you assign a user name and password to the user.

Individuals who do not have administrator rights can only edit cases and sessions to which they have ownership or are assigned to.

Add	Opens the <i>Personal Info</i> window. Here, a new person may be added along with their personal contact and log on information.				
E dit	Opens the Particular pe	Opens the <i>Personal Info</i> window for the selected person. Here, any information for this particular person can be added or changed.			
	\rm Personal Info)			
	Personal Informa	tion			
	Last Name	Smith	First Name	John	
	Section	Homicide 🗸 🗸	Phone	(572) 555-4829	
	Country	United States of America 🛛 👻	State	Washington 🔽	
	Туре	Investigator 🗸 🗸	Administrator		
	Department		Regimental #	408	
	User Name	jsmith	Password	***	
	Notes	Local administrator	<i>.</i>		
			0	OK Cancel	



Deletes the selected person.

Note: Personnel that have already been assigned to a case cannot be deleted.

7.1.5 Session Types Tab

The Session Types tab is where different types of sessions can be entered as needed.



Add	Opens the Session Info window. Enter the name of the new session here.
	Session Type Info Description OK Cancel
Edit	Opens the Session Info window for the selected session. The name of this session can be changed here.
Delete	Deletes the selected session. Note: You cannot delete a session type that is already associated with a session.

7.1.6 Locations Tab

Locations are the places where you may be recording audio/visual material, taking notes, conducting interviews, or taking photographs.

General Settings Path Settings Sections Personnel Session Types Locations Recorders Offences	
Locations	
Add Edit Delete	
Crime Scene Interview Room Rooms 1-16 Rooms 16-32	
	J

Add	Opens the Location Info window. Enter the name of a new location and click
	Location Info Description Recorders DSR-M810 DSR M-814 Vigil DVR 1 Vigil DVR 2 OK Cancel
	Note: The recorders list in the <i>Location Info</i> window identifies which DVRs have been assigned to that location. You cannot assign recorders from the <i>Location Info</i> window. No recorders will be shown until DVRs have been configured and assigned to locations from the <i>Recorders</i> tab.
Edit	Opens the <i>Location Info</i> window for the selected location. The name of this location can be changed here.

	Location Info
	Description Rooms 1-16
	Recorders DSR-M810 DSR M-814 Vigil DVR 1 Vigil DVR 2 Vigil DVR 2 OK Cancel
X Delete	Deletes the selected location.
	Note: You cannot delete a location that is already associated with a session.

7.1.7 Recorders Tab

The *Recorders* tab is where DVRs are added and configured, and where locations for each DVR are selected. VRM now supports the ability to add both Sanyo DVRs and Vigil DVRs; simply choose the DVR type in the *Recorder Info* window.

Note: It is important to enter location under the *Locations* tab before entering recorder information so that these locations will be available to choose from in the *Recorder Info* window.

Note: An identification sticker should be placed on each DVR with its IP Address for easy reference.

General Settings	Path Setti	ings Sections	Personnel	Session Types	Locations	Recorders	Offences
Recorders							
🔶 🔜 Add Edit	X Delete [₽ Detect					
DSR-M810 DSR M-814 Vigil DVR 1 Vigil DVR 2							

Opens the *Recorder Info* window. Enter a description and the correct IP address/port for the recorder in this particular location. For Sanyo DVRs, the IP address is configured for your recorder during its initial setup. The default port is set to 20000. For Vigil DVRs, use the computer IP address. The default port is 22801.

Set a location for this DVR. The locations are added in the *Locations* tab. If a new location is required, enter it under the *Locations* tab and then return to edit the *Recorders* info.

	🗣 Recorder	info 🛛 🔀	🗣 Recorder	Info 🛛 🔀
	Dvr Type	Sanyo DVR 💌	Dvr Type	Vigil DVR
	Description	DVR Name	Description	Vigil DVR 1
	Location	Interview Room	Location	Rooms 1-16
	IP Address	11.1.11.111	IP Address	10.1.10.10
	IP Port	20000	IP Port	22801
			Username	administrator
		Sync Clock	Password	***
	Unit ID Registration	DVR not detected.		Mappings Login Test
	riogica dalori			
			-	
		Sanyo DVR		Vigil DVR
Edit	Ol ar	Sanyo DVR pens the <i>Recorder Info</i> window for and edit information for this particu	or the selecte Ilar recorder.	Vigil DVR d recorder (see above). Here, you can add
Edit	Or ar	Sanyo DVR pens the <i>Recorder Info</i> window for ad edit information for this particul ynchronizes the Sanyo DVR clock	or the selecte Ilar recorder. with the time	Vigil DVR d recorder (see above). Here, you can add e of the local computer.
Edit Sync Cl	lock Sy fo	Sanyo DVR bens the <i>Recorder Info</i> window for ad edit information for this particul ynchronizes the Sanyo DVR clock Note : This feature does no r the recommended method to	or the selecte llar recorder. with the time ot apply to ' o sync the V	Vigil DVR d recorder (see above). Here, you can add e of the local computer. Vigil DVRs. Please contact your vendor igil DVR time with the local computer.
Edit Sync Cl	lock Sy fo	Sanyo DVR beens the <i>Recorder Info</i> window for ad edit information for this particul ynchronizes the Sanyo DVR clock Note : This feature does no r the recommended method to beens the <i>Registration</i> window. Se	or the selecte llar recorder. with the time ot apply to v o sync the V e Section 12:	Vigil DVR d recorder (see above). Here, you can add e of the local computer. Vigil DVRs. Please contact your vendor igil DVR time with the local computer. Registration for more information.

Add

	Video Video Add Camera Boardroo Crime Sc Front Doo Interview Interview Interview OK	and Audio Mapping Image: Comparison of the second of t
Login Test	Tests the connection to the Vigil DV message will appear stating the connection	R based on the IP address and login credentials. A ection status.
Delete	Deletes the selected recorder.	
Detect	Automatically searches your local networks and the yo	 work for connected Sanyo DVR units. Add Selected – Adds the currently selected Sanyo DVR to your recorders list. Add All – Adds all detected Sanyo DVRs to your Recorders list. Cancel – Cancels the auto-detection process and closes the window. Note: You cannot add the same DVR twice.

7.1.8 Offences Tab

The Offences tab provides a list of commonly used offences for easy selection during the creation of a case.

General Settings	Path Settings	Sections	Personnel	Session Typ	es Location	ns Recorders	Offences
Offences	×						
Murder, Second Assault, Deadly Theft, Under \$1 Theft, Over \$10	l Degree / Weapon 1000 000						

Add	Opens the Offence Info window. Enter the name of the new offence here.
	Concel
Edit	Opens the <i>Offence Info</i> window for the selected offence. The name of this offence can be edited here.
	Offence Info Description Murder, Second Degree OK Cancel
Delete	Deletes the selected offence.
	Note: You cannot delete an offence that is already associated with a case.

8 Creating Cases and Sessions

When VRM opens, you will be prompted to log on to the system. You can log on as a normal user that will give you all functionality except for administrative privileges; or, you can log on as a user with administrative privileges that will give you full control of all features, including adding new users, monitoring system usage, and access to the system settings section.

	🔳 🗗 🔀
File Help	
Exit Log On About	
✓ Log On Login User Name Password	
OK Cancel	
Logged Off	5/26/2006 3:45 PM

8.1 Creating a Case

To create a case file click the *New Case* button located on the top toolbar; this will open the *Case Info (New)* window.

🤌 Case Info (Ne	Case Info (New)			
Case Information * File No.	* Section	►		
* Offence		~		
* Investigators	View Investigators			
Notes				
	This case is private			
Sessions]		
Create Det	alls Remove Disclosure			
Creation Date	Entities Type			
Delete This Case	Case Summary OK Cancel	Apply		

All fields prefixed with an * (asterisk) are fields that require information before further processing can be completed.

Case Information	
File No.	Create a unique file number. If you create a duplicate file number you will be alerted and required to change it.
Section	Select a section from the drop-down menu.
Offence	Select an offence from the drop-down menu. Alternatively, you can type a new one into the field, which will automatically add the offence to the offence list.
Investigators	Click View Investigators to open the selection window where you can select involved investigators.
Notes	Add notes here, if desired.
	Note : The notes field is limited to 1000 characters.
This case is private	Enables you to prevent other non-administrative users from viewing this case.
Sessions	
Create	Opens the <i>Session Details</i> window, where you can create a session. See Section 8.1.2: Creating a Session for more information.

Details	Opens the <i>Session Details</i> window for the selected session, where you can review and edit session details.
Remove	Removes the selected session from the case.
Disclosure	Opens the <i>Disclosure Export</i> window that allows you to export materials that have been added in the sessions. See Section 10.2: Exporting Case Media for more information.

Delete This Case	Deletes the current case.
Case Summary	Opens the <i>Report Viewer</i> window that displays a summary for the current case.

8.1.1 Select Investigators

The *Select Investigators* window allows you to select investigators to include in the case. You can sort the individual columns by clicking on the column header, which will sort them in order alternating between ascending and descending order.

🔑 Se	lect Invest	igators							
Ac	id Edit	× Delete	Refresh Sele	cted Filter	> red				¥
	Last Name	First Name	Туре	Section	Phone	Country	Department	Regimental #	State
	Allen	Ryan	Investigator	Homicide	(432) 555-5465	United States of America		532	Wast
	Smith	John	Investigator	Homicide	(423) 555-4452	United States of America		523	Wast
	Jauffrey	Wade	Investigator	Traffic	(432) 555-3431	United States of America		532	Wast
<							ОК	Cano	el

You can search for specific investigators by clicking the blue bar titled *Filter* near the top. This will drop down the search filters.

Filter		*
Last Name	First Name	
Туре	Section	
Phone	Country	
Department	Regimental #	
State/Province	Notes	

By entering search criteria and enabling the filter (click Filtered), you can limit the Select Investigators window to only the people you wish to see.

Add	Opens the <i>Personal Info</i> window, where you can add another investigator. See Section 7.1.4: Personnel Tab for more information.
Edit	Opens the <i>Personal Info</i> window, where you can edit the personal information of the selected investigator. See Section 7.1.4: Personnel Tab for more information.
× Delete	Deletes the selected investigator.
2 Refresh	Updates the Select Investigator window with the current search criteria.
Selected	When enabled, only the selected investigators will show in the Select Investigators window.
Filtered	Enables filtered views in the Select Investigators window.

Check the box next to the investigator name to select and deselect involved investigators.

OK in the Select Investigators window, which will Once all investigators have been added, click return you to the Case Info window.

8.1.2 Creating a Session

In Case Info window, click Create to create a new session. This will open the Session Details window.

🏴 Session Deta	ils (Case OO	5)			
CSession Informat	ion				
* Туре					*
* Location					*
Notes					
		i is privace			
Attending/Involv	ed Members -				
	Entities		Investigators	Transcribers	
Туре	Last Name		First Names		
Files					
1	t 3			@ X	
Record Dov	vnload Impo	ort i	Details Preview	Make WAV Remove	
File		Туре	Start	End	
E	xport E	xport Hist	ory OK	Cancel	Apply

All fields prefixed with an * (asterisk) are fields that require information before further processing can be completed.

Session Informat	Session Information			
Туре	Select the type of session.			
Location	Select the location of the interview; this also selects the recording camera.			
Notes	Enter notes about this session, if required.			
	Note : The notes field is limited to 1000 characters.			
This session is private	Enable this to prevent other non-administrative users from viewing this session.			
Attending/Involv	ed Members			
Entities	Opens the <i>Entities</i> search window. This window behaves in the same way as the <i>Select Investigators</i> window. Adding, editing, deleting, and filter options have the same functionality for entities as well. Several of the columns are different because entities are for persons external to the local organization.			

									_		
	Entities										
	Add Edit	Delete	Refresh Selec	ted Filte	P ared						
	Filter									*	
	Date of Birth	-				irst Name Gender	-			-1	
	Street Address					lity					
	State/Province				2	ip/Postal Code					
	Country				F	hone Number 1	-				
	Phone Number 2				1	lotes					
	Doe	Jane	1980-01-01	F	Street Address	Victoriaville	State/Province British Columbia	V8X 1H2	Canada	(250)	
										1001	
										2	
								ОК	Canc	el	
* Investigators	Opens the Select Invest	Investig stigators	<i>ators</i> sea s window	arch v , inclu	vindow. Iding the	This wind toolbar b	low behav outtons.	ves in the	same	way	as the
Transcribers	Opens the Select Inves	Transcri stigators	<i>ibers</i> sea s window	rch w , inclu	vindow. T Iding the	his wind toolbar b	ow behav outtons.	es in the	same	way	as the
Files											
Record	Opens the C recorded vic	<i>Confirm</i> leo. See	Date and Section	d <i>Tim</i> 8.1.2	<i>e</i> window 1: Addir	. This is g a Live	going to k Recording	be the date for more	e and inform	time ation	for the
Download	Click and s Downloading	elect I g Previo	<i>lideo</i> to Jusly Rec	open orded	the Dov Video for	wnload more in	/ideo win formation	dow. See	Secti	on 8	.1.2.2:
Import	Opens the information.	Import	t window	v. Se	e Sectio	n 8.1.2.	4: Impor	ting Othe	r File	s for	more
Details	Select any window. See	type of e Sectio	file you n 8.1.2.5	wish 5: Viev	to view wing File	and click Details fo	this but or more in	ton to ope formation.	n the	File	Details
Preview	Select a file file type. Au while other	in the <i>l</i> idio and formats	F <i>iles</i> sect I video w will use	ion ar ill be the as	nd click th played ba ssociated	is buttor ack using Windows	to start t the VRM s program	he associa built-in pl for previe	ited vi aybac w.	ewer k pro	for the grams,
Ø Make WAV	Highlight an import WAV	y MP2 i files fro	n the <i>File</i> om the se	es sec electe	tion and d MP2 vic	click this leo file in	button to to your cu	automatio	cally g ion.	enera	ate and
Remove	To remove the Yes butt the prompt original file	a file fr con and window on the [om the o you will 7. This on DVR, aud	curren be as Ily del io rec	it session ked to co etes the order, or	, highlig nfirm ag file from digital fil	ht the file ain by typ the sessio e on the f	and click ing in the on and doe nard drive.	this b word es not	outtor <i>confii</i> remc	n. Click rm into ove the

Selected entities, investigators, and transcribers will appear on the *Session Details* window. After personnel involved in the session have been selected media may be added to the session.

8.1.2.1 Adding a Live Recording

Clicking Record will open the *Confirm Date and Time* window. These are going to be the date and time for the recorded video.

	🏶 Confirm Date and Time	×
	Confirm Date/Time	
	2006/05/29 08:30:55	
	Set New Date/Time	1
	ОК	
Make changes, if required, and cli	ck the OK button.	
Recorder Console - Int	erview Room 1	
Available DVRs - Interview Ro	om 1 Preview	
Description 10.32.0.162	IP	
10.32.0.163	10.32.0.163	APPLIE .
Check off DVR to be used for	recording.	
Recording Controls		CONTRACTOR OF CONTRACTOR
# Start Time	End Time	CONTRACTOR -
	Record	Stereo 💌 🖉 🛃
		OK Cancel
Status: Ready to record.		1

Select the DVR you wish to record from in the available DVRs list. A preview of the DVR footage will display in the preview window. Buffering should take between 3 and 10 seconds.

Warning: There is a 4GB file size limit on footage recorded in AVI format (i.e. footage that is recorded from a Vigil DVR). Recording high-resolution or high-speed video will increase the file size, and possibly result in a corrupt AVI video file.

Note: The preview footage will have a slight delay as the video is streamed from the DVR and buffered in VRM.

Stereo, Left Channel, Right Channel	Select the audio channel you would like to record along with the video footage.
Ø 🐹	Enables and disables the audio for during the video preview. Turning off the preview audio does not affect the recording audio.
7	Expands and contracts the size of the video preview. Clicking anywhere or clicking the <i>Esc</i> key will also close large screen preview.

Previously recorded footage for the current session is displayed in the *Recording Controls* list. This information includes the start and end time for the recorded footage. For a new session this section will be blank.

Record To begin recording live footage click If recording from a Vigil DVR, first select the camera to record from the drop-down menu and then click this button.

The window changes to recording mode, indicated by the flashing red dot in the lower left and the Status: *Recording* message in the status bar. The status bar also indicates the duration of recorded footage.

When recording Vigil DVR cameras, a colored camera border will display indicating the recording mode: green for constant, blue for motion, and red for alarm recording. The recording mode is setup in the Vigil DVR camera settings; however, VRM will always record cameras in constant mode during times when there is no motion or active alarm, so that no video frames are missing in the recorded footage.

	Die DVRS - Incerview Ro	1 moc	review		_
_	Description	IP		AND	
~	10.32.0.162	10.32.0.162	- Cont	and the second second	10
	10.32.0.163	10.32.0.163			
	10 32 0 165	10 32 0 165	48	and the second sec	
neck	off DVR to be used for	recording.	11		
ecor	ting Controls				
	Charle Time	E. J.T.			
Ŧ	Start lime	End lime	-		
	_			Stereo V	E
		Stop			
				0× 0	ncel
				0.	

Stop Click when you wish to stop recording. It will take a moment to finish sending data to VRM. During this time the red flashing recording symbol will be replaced by a green, flashing pause icon and the status bar will indicate *Status: Finalizing session*.

When this message changes back to *Status: Ready to Record*, click to return to the *Session Details* window.

More than one video file per session can be added. This is also true for audio files and other media as well.

All media files associated with the session are listed at the bottom of the window including the media filename, the type of file, the start time and the end time. For media other than video, only the end time will be present.

It is possible to return to this session at anytime and add more files should they become available.

8.1.2.2 Downloading Previously Recorded Video

🕂 Download Video					
Search					
DVR 10.1.11.3 - DVR 1		Start Time	6/ 4/2009	🔽 10:30:00 AM	\$
10.1.11.30 - DVR 2		End Time	6/ 4/2009	🔽 1:30:00 PM	\$
		Camera	Cam1	V Alarms only	Search
Results			Pre	eview	
# Start 01 6/4/2009 10:30:00 AM 6/4/2009 10:30:00 AM Cam1	End 6/4/2009 1:11:	:53 PM 6/4/2009 1:11:5	3 PM		20.00
Zoom In Zoom Out		Downlo	ad Sta	IN End Clear Crop Chan	nel 1
					Done
Search complete.					

Click the Download button and select Video; this will display the following screen:

Select the DVR to search, and then enter a Start Time and an End Time in which to search for video footage and then click **Search**. The default search time is 1 hour.

For Sanyo DVRs, a list of separate video taken during that time period will appear in the *Results* table. Select the footage of interest by clicking the entry in the *Results* table. A preview of the footage will appear at the right, which is streamed directly from the DVR.

#	Start	End
01	6/4/2009 10:30:00 AM	6/4/2009 1:11:53 PM
	1	

For Vigil DVRs, visual search results are displayed, where coloured bars indicate the recording mode: red for alarm, blue for motion, and green for constant. Click on the coloured bars to preview the footage on the right. Use the Zoom In and Zoom Out buttons to zoom the results for more precision.

6/4/2009 10:30:00 AM	6/4/2009 1:11:53 PM
Cam1	

Alarms only	Select Alarms selected Star	Select <i>Alarms Only</i> to quickly search for footage recorded in alarm mode during the selected <i>Start</i> and <i>End</i> time.				
The navigation slider can be dragged to seek to exactly the point in the selected video. The footage time is updated as the slider is dragged and tool tip indicates the number of seconds from the start of the footage.						
	Seeks to the	Seeks to the first/last frame of the footage.				
4 1 I Þ	When pause backward/for	When paused, skips backwards/forwards one second. While playing, it skips backward/forward 1/10 th of footage.				
▶ 0	Plays and pauses the selected footage.					
Ø 🐹	Enables and audio does no	Enables and disables the audio for during the video playback. Turning off the preview audio does not affect the saved audio.				
	Expands and <i>Esc</i> key will a	contracts the size of the video playback. Clicking anywhere or clicking the lso close the large screen playback.				

If only a portion of the video needs to be exported, start and end markers can be set to crop the footage to a sub range.

Start	Places the starting marker for the sub range of footage to be downloaded.
End	Places the ending marker for the sub range of footage to be downloaded.
	A blue line on the navigation slider indicates the sub range.
Clear	Removes the start and end markers from the navigation slider.
Сгор	Crops the footage indicated by the start and end markers. The navigation slider will reset to view only the cropped footage.

	Note: Cropping footage does not alter the video stored on the DVR as it only selects a sub range to be downloaded. To display all of the available footage, perform your search again.
Audio Channel	Select which audio channel to record. Choose from Stereo, Left, or Right for Sanyo DVRs, or choose the name of the audio channel for Vigil DVRs.

Once you have the footage you wish to download click **Download**. The screen will change to export mode and a progress bar will show you how far along the export is.

Warning: There is a 4GB file size limit on footage downloaded in AVI format (i.e. footage that is downloaded from a Vigil DVR). Downloading high-resolution or high-speed video will significantly increase the file size, and possibly result in a corrupt AVI video file.

Once the export is complete, a Download Completed window will open. Any downloaded video will be marked with an asterisk in the *Results* table.

You can download more footage at this point or you can click **Done** to return to the Session Details window. Your newly downloaded video footage will now be listed in the *Files* section.

8.1.2.3 **Downloading Previously Recorded Audio**

Click the Download button, and select Audio (DSS); this will display the following screen:

🛃 Download Audio	
File Timestamp	
I\DSS_FLDA\DS220006.DSS 2005-06-03 09:36:28	
↓ i\DSS_FLDA\DS220005.DSS 2005-06-03 09:29:52	
i.\DSS_FLDA\DS220004.DSS 2005-05-27 14:09:20	
i.\DSS_FLDA\DS220003.DSS 2005-05-26 12:40:08	
↓ i\DSS_FLDA\DS220002.DSS 2005-05-26 12:37:48	
Highlight the files that you wish to download and associate with this se CTRL to select multiple files.	ession. Hold
Preview Download Cancel	

Select the desired audio files you wish to download. You can select multiple files by holding down the Ctrl key while clicking on each file desired for download.

Preview button will play the selected file to help you determine if you have the correct file. The

Download Once all of the files for download have been selected, click the button.

Done Now, you can download more audio files or click to return to the Session Details window. Your newly downloaded audio recordings will be listed in the Files section.

Importing Other Files 8.1.2.4

You can attach any other digital files (such as photos, Microsoft Word® documents, spreadsheets, etc.) to the session by importing them.

Click Import to open the Import window.

Import	?	×
Look in:	🛅 Sample Pictures 💽 🕜 🤌 📰 🗸	
My Recent Documents Desktop My Documents	Blue hills.jpg desktop.ini Sunset.jpg Thumbs.db Water lilies.jpg	
My Computer	File name: Open	
My Network	Files of type: All Files (*.*) Cancel Open as read-only] .::

Select a file you wish to attach to the case and click ^{Open}; this will return you to the *Session Details* window. You can also hold down the *CTRL* key to select multiple files to import.

8.1.2.5 Viewing File Details

To view details for a file, select a file and click the Details button; this will open the *File Details* window.

🔜 File D	etails 📃 🗖 🔀
-Details - File Type	C:\05-26-2006-0034\1-05-26-2006-0034-20060529-092453.mp2
Notes	
	Preview OK Cancel

File information (the path to the file, type of file, and the file notes) will be displayed here. The notes for the file may be edited and saved.

Click Preview to start the associated viewer for the file type. Audio and video will be played back using the VRM built-in playback programs, while other formats will use the associated Windows program for preview.

8.1.2.6 Previewing Added Media Files

Highlight any file in the *Files* section and click Preview. This will start the associated viewer for the file type. Audio and video will be played back using the VRM built-in playback programs, while other formats will use the associated Windows program for preview.

8.1.2.7 Generating WAV Files from Video Files

Highlight any MP2 video file in the *Files* section and click Make WAV. This will automatically generate and import WAV files from the selected MP2 video file into your current session.

Note: WAV audio files cannot be generated for video in AVI format; therefore, audio that has been recorded or downloaded along with AVI video must be played back together.

8.1.2.8 Removing Media Files

To remove a file from the current session, select a file and click Remove. Click the Yes button and then confirm again by typing the word 'confirm' in lower cases into the prompt window. This only deletes the file from the session and does not remove the original file on the DVR, audio recorder, or digital file on the hard drive.

9 Searching

9.1 Searching Cases

Click the search button, and then select *Cases* to open the *Search Cases* window.

🔑 Search Cas	ies						
⊂Case Informati	ion						
File No.		Se	ction	All			~
Offence	All						~
Notes							
Investigator							
Last Name			First Na	ame			
Department			Regime	ntal #			
		Sear	rch				
File No	Investigators	Section	Offe	nce		Last Update	d 🗌
05-26-200	Smith	Homicide	Thef	t, Under \$	\$1000	2006/05/29	11:23:43
1 result.					Viev	V Case	Close

Case information can be entered to narrow your search results. The default search will list all the created cases.

Click **Search** to open a list of cases meeting the search criteria.

To view or edit case information, select a case and click the <u>view Case</u> button, or double click the case in the lower results section; this will open the *Case Info* window. Please see Section 8.1: Creating a Case for details on case information and Section 8.1.2: Creating a Session for specific details on session information.

9.2 Searching Sessions

OI

Click	tha	Search	hutton	and	thon	colort	Saccione	to one	an tha	Saarch	Saccione	window
CIICK	the	Dearch	button,	anu	then	361661	263310113	το ορο		Jearen	263310113	window.

P Session Sear	ch Criteria		
Statement Type	All		~
Entity Infomation			
Last Name		First Name	
Address			
Country	All 🗸	Region	All 🔽
City		Phone	
Case Information			
File No.		Section	All 🔽
Offence	All		×
-Investigator			
Last Name		First Name	
Department		Regimental #	
- Additional Inform	akian		
Location			
Notes			
140(65			
			Search Close

You can enter in any known session information if you wish to narrow your search results. The default search will list all the created sessions.

Click Search to open a list of sessions meeting the search criteria.

Session Searc	h Results			
File No	Creation Date	Entities	Investigators	Туре
05-26-2006-0034	2006/05/26 16:40:59	Doe	Smich	Interview
1 result.		View Case	View Session	Close

Search results will appear in the Session Search Results window.

Select the session and then click the View Session button, or double click the session to open the Session Info window for that selected session. Information can be added and changed as needed. Please see Section 8.1.2: Creating a Session for details on session information.

Select the case and click the view Case button to open the *Case Info* window for that selected session. Please see Section 8.1: Creating a Case for details on case information.

10 Disclosure / Export

There are two methods of exporting data from VRM. The first is to disclose files, which will export all files associated with a particular case. Alternatively, files can be exported from a session within a case.

10.1 Creating a Case Summary

A case summary can automatically be created from the *Case Info* window. Click the *Case Summary* button to open up a preview window containing the summary.

🖙 Report Viewer - Case 005		
🕞 Save 🍑 Print		
Summary f	for Case 005	
As at 6/22/2007 2:28	:16 PM (Pacific Daylight Time)	
Section Offence Primary Investigators Case Notes	Homicide Theft Allen, Ryan	
Session Detail	S	
Session #1		v

You can either save the summary as an HTML file or print it directly.

10.2 Exporting Case Media

Select the cases you wish to disclose by using the search function; see Section 8.1: Creating a Case for more information.

After opening the *Case Info* window click the Disclosure button to open the *Disclosure Export* window.

10.2.1 Disclosure Export to DVD/CD-RW

Evport Type	DUD/CD		
Export Type	DVD/CD		~
-DVD/CD Setting	s		
🔿 DVD Video	💿 Data	Edit DVD Captions	
Select DVD Vide	o for video playback on stan	dalone consumer DVD play	ers.
DVD/CD Drive	'LITE-ON ' 'LTR-523275	''Q558'	~
Number of Copi	es 1 🛟		
Pad DVD Mov	/ie to 1GB (For compatibility v	vith old players)	
Disk space requ	ired: 0.21 GB		
Discs Required:	1		
Verify disc al	fter burning		
Data Drive Sett	ings		
Data Drive Sett	ings		

DVD Video/ Data	Toggles between recording the video files as a playable DVD Video disc or as a basic data DVD/CD disc that will only be playable on PCs.
	The DVD Video disc can be played on most commercial DVD players. Place the DVD in the DVD player and push play. A menu screen will appear letting you select which video clip to view.
	Note: The DVD Video option is not available for exports from Vigil DVRs. Only footage in mp2 format from Sanyo DVRs is compatible with the DVD Video option.
Edit DVD Captions	Allows changes to text information that is watermarked onto the created DVD. Information such as location, date/time stamps, site name and custom text can be added and placed on various portions of the video screen.
DVD/CD Drive	Select the device that will write the DVD. By default, it will select the first writable media device. The option <i>Image Recorder</i> will create an ISO image file instead of creating the DVD. After creating the image, a window will prompt asking where to save the file.
Pad DVD to 1GB	This will ensure that the DVD video will be at least 1GB in file size if the recorded footage is less. This is for compatibility issues in older DVD players.
Verify disc after burning	The created DVD/CD will be scanned to ensure that it was accurately created.

10.2.2 Disclosure Export to Data Drive

al Disclosure E	(port (Session 1/1)	
Export Type	Data Drive	~
DVD/CD Settings		
🔿 DVD Video	Data Edit DVD	Captions
Select DVD Video	for video playback on standalone cons	umer DVD players.
DVD/CD Drive	'LITE-ON ''LTR-523275 '''Q558'	~
Number of Copies	1	
Pad DVD Movi	to 1GB (For compatibility with old play	ers)
Disk space requir	ed: 0.21 GB	
Discs Required:	1	
Verify disc aft	er burning	
⊂Data Drive Settin	75	
Destination		
	Expor	t Cancel

Destination	The location where the export files will be saved. Files will be saved in their native file types.
	Note: A different folder or destination can be selected for each session in the case. After each session is exported select location details and then click Export to continue with the next session. For example, to organize the session files for easy reference a folder named after each session could be created.

Click to select a location to save the exported case files. You can browse to the location using the standard windows explorer layout.

~		
CI	ick	

Export

to begin the export process. A window will open informing you if the export was successful.

10.2.3 Exporting Session Media

Use the search function to select the session you wish to export media from; see Section 9.2: Searching Sessions for more information.

Export

After opening the Session Info window, click

to open the *Select Export Files* window.

🖥 Select Export Files				
Available Files				
File	Туре	Start	End	>
E C:\05-26-2006-0034\(1) Vigil	Text Docu			
(05-26-2006-0034\1-05-2	MP2 Video	2006/05/29 09:24:53	2006/05/29 09:25:47	=
(05-26-2006-0034\2-05-2	MP2 Video	2006/05/29 09:30:41	2006/05/29 09:39:24	_
Olympic:\05-26-2006-0034\2-05-2	MP2 Video	2006/05/29 09:42:05	2006/05/29 09:42:37	
Olympic:\05-26-2006-0034\2-05-2	MP2 Video	2006/05/29 09:42:07	2006/05/29 09:42:35	
E C:\05-26-2006-0034\Vigil DV	Text Docu			~
Files to Export	ails P	review Add		
File	Туре	Start	End	
olc:\05-26-2006-0034\2-05-2	MP2 Video	2006/05/29 09:42:07	2006/05/29 09:42:35	
Prosecution viewing	ails P	review Remove		
			OK Can	cel

All media associated with the particular session are shown.

Files must first be selected individually. Next, click the	Add	button to	move them	into the	Files to
Export section. Once all files required for the export have	been added	to the File.	s to Export s	section, th	ere is a
final chance to verify the correct files by using the Prev	iew buttor	۱.			

To remove files from the *Files to Export* section click the **Remove** button. Removing files only removes them from being exported and does not affect the files themselves.

Type a reason into the *Reason for Export* field - this is a mandatory field.

Click to open the *Export* window.

🖶 Export		
Export Type	DVD	▼
DVD Settings		
💿 DVD Video	🔵 Data	Edit DVD Captions
Select DVD Video	for video playback on s	tandalone consumer DVD players.
DVD Drive	'HL-DT-ST' 'DVDRAM G	isa-4167B' 'DL13'
Pad DVD Movie	e to 1GB (For compatibi	lity with old players)
DVDs Required:	1	
Disk space require	:d: 0.01 GB	
Data Drive Setting	gs	
Destination		
		Export Cancel

This window is the same as the *Disclosure Export* window. Please see Section 10.2.1: Disclosure Export to DVD/CD-RW for more information on the exporting methods.

10.3 Authenticating Exported Footage

By utilizing the installed application *DV Player*, you are able to verify the authenticity of any exported video files. This authentication is done by performing a special verification of each frame of video footage to ensure there has been no digital manipulation of the file.

After recording or downloading video footage to a session, you can view the file in DV Player. By clicking the

button in the lower right corner of the window, the authenticating process of the opened video footage is able to begin. Once it is complete, a window will open stating the footage has been successfully authenticated.

If the video file has been tampered with or is missing frames, then an error message is displayed with the problem frame number.



10.4 DVD Label

You can label the DVD for later reference. The following template is an example of what information may be included on the label. This sample template is included with the VRM software.

It can be found in *Start Menu | Programs | Vigil | Disk Label Template*



10.5 Export History

Click **Export History** to open the *Export History* window.

ļ	Export History	
	Date 5/29/2006 12:00:14 PM 5/29/2006 1:08:43 PM	Exporter Smith, John Smith, John
		View Close

All the exports associated with a particular session are displayed listing the date and the name of the exporter.

Select a particular export and click view to display details about the export, including the specific files and reason for the export.

🏴 Export Details 📃 🗖 🔀				
Details Exporter Date Export Type Export Path	Smith, John 5/29/2006 12:00:14 PM Data Drive C:\Documents and Settings\Administrator\Desktop\test\			
Reason	∑isclosure			
1 1103		Type		
	C:(U5-26-2006-0034)(1) Vigil DVR.log	MR2 Video File		
	C:(05-26-2006-0034)2-05-26-2006-0034-20060529-092453.mp2	MP2 Video File		
	C:\05-26-2006-0034\2-05-26-2006-0034-20060529-093041.mp2	MP2 Video File		
	C:\05-26-2006-0034\2-05-26-2006-0034-20060529-094207.mp2	MP2 Video File		
	C:\05-26-2006-0034\Viail DVR.log	Text Document		
	C:\05-26-2006-0034\vrmcommands-10.32.0.162-20000.log	Text Document		
	C:\05-26-2006-0034\vrmcommands-10.32.0.163-20000.log	Text Document		
	p	· · · · · · · · · · · · · · · · · · ·		
		Preview Close		

11 Security

A user must login with a user name and password to operate VRM. The administrators of the system control this process and also have control of assigning administrator privileges to other users.

Non-administrator users can view information contained in case files but are not permitted to make changes to the files unless they are designated as an investigator of the case.

VRM also tracks and logs access activities that are available for administrators to view. Items that are tracked include:

- 1. Login/Logout
- 2. Opening new case
- 3. Editing case information
- 4. Export/Import

11.1 System Activity Monitoring

To view the System Activity Monitor window, you must be logged in with administrator privileges.

To view the access and activity logs, click Audit and select *System Activity*; this will open the *System Activity Monitor* window. The *System Activity Monitor* window will track the 10,000 most recent events.

🖻 System Activity Monitor					
ſ	Details				
	Date	Source	Message	User 🔼	Ī
	2006-05-29 13:08:43	Export	Export from case 05-26-2006-0034	Smith, John	
	2006-05-29 13:00:12	Export	Export from case 05-26-2006-0034	Smith, John	
	2006-05-29 12:00:14	Export	Export from case 05-26-2006-0034	Smith, John	
	2006-05-29 11:23:42	Session	Removed file C:\05-26-2006-003	Smith, John	
	2006-05-29 10:51:03	Session	Imported file C:\Vigil DVR.log (ca	Smith, John 🛛 🗕	
	2006-05-29 10:51:03	Session	Imported file C:\vrmcommands-1	Smith, John	
	2006-05-29 10:51:03	Session	Imported file C:\vrmcommands-1	Smith, John	
	2006-05-29 10:50:54	Session	Imported file C:\Vigil DVR.log (ca	Smith, John	
	2006-05-29 10:45:29	Session	Removed file C:\05-26-2006-003	Smith, John	
	2006-05-29 10:45:11	Session	Imported file C:\vrmcommands-1	Smith, John	
	2006-05-29 10:44:42	Session	Imported file C:\Documents and	Smith, John	
	2006-05-29 10:28:37	Download Video	Download footage completed	Smith, John	
	2006-05-29 10:28:32	Download Video	Download footage 5/29/2006 9:	Smith.John 🛛 🞽	
			Export Refre	esh Close	

Columns can be switched to ascending or descending order by clicking on the column heading.

Click Export to save a copy of the data to a location of your choice. The saved file is in text format and may be viewed with a simple text file viewer like notepad.

11.2 Export Activity Monitoring

To view the *Export Activity Monitor* window you must be logged in with administrator privileges.

To view the access and activity logs click Audit and select *Exports*. The *Export Activity Monitor* window will track the 10,000 most recent changes.

3	Export Activi	ty Monitor				×
	Details View Case Vie	📁 🚽				
	File No	Session Date	Export Time	Exporter	Reason	
	05-26-2006	2006-05-26 16:40:59	2006-05-29 13:08:43	Smith, John	Disclosure	
	05-26-2006	2006-05-26 16:40:59	2006-05-29 12:00:14	Smith, John	Disclosure	
	P	1	1	1		<u> </u>
	Export Refresh Close					

Columns can be switched to ascending or descending order by clicking on the column heading.

Click **Export** to save a copy of the data to a location of your choice. The saved file is in text format and may be viewed with a simple text file viewer like Notepad.

yiew Case	Opens the Case Info window for the selected export item.
View Session	Opens the Session Details window for the selected export item.
View Export	Opens the Export Details window for the selected export item.

12 Registration

To register Vigil VRM:

Click the Start menu and select Programs / Vigil / Register Vigil VRM.

🗳 Sanyo DSR Registration	
23 days lef	- Sanyo DSR Registration t on trial period, unregistered DSR Units allowed
Registered Sanyo DSR Units	Unregistered Sanyo DSR Units
	00000000000 🗸
	Registration Key
	Detect DSR IP
	Register Exit

Write down the serial number from the Unregistered Modules drop-down menu.

Send the serial number, your name, company name and contact information to 3xLogic at support@3xLogic.com. 3xLogic will contact you with a registration key.

Once you have received a registration key:

- 1. Select the serial number of the Sanyo DVR unit you are registering from the *Unregistered Sanyo DVR Units* drop-down menu.
- 2. Enter the registration key.
- 3. Click Register.
- 4. Click to the confirmation box.
- 5. Repeat steps 1 4 for each SANYO DVR you wish to register.

13 How to Record an Interview

Note: The preferred method of recording an interview is by creating or adding to a session. See Section 8.1.2: Creating a Session for more information.

1. Click REC/STOP button on the DVR



2. Conduct interview

- 3. Click & hold REC/STOP button on the DVR recorder for 5 seconds until the light turns off
- 4. Retrieve video through VRM
 - a. Create or open a case
 - b. Add a session
 - c. Download video file (Section 8.1.2.2: Downloading Previously Recorded Video)

For more information on these operations, please see Section 8: Creating Cases and Sessions.

14 Troubleshooting

14.1 Hardware Issues

The Sanyo DVR does not record

- Is the DVR on?
- Does the record light on the DVR light when the record button on the DVR is clicked?
- Is the appropriate camera attached to the Video In input on the back of the DVR?

The Sanyo DVR is beeping

- There is no video source attached to the *Video In* input on the back of the DVR.
- If a cable is attached to the *Video Input* and the DVR is still beeping, the video feed is inactive.
- Is the other end of the video cable attached to something? Check for a defective cable or an unpowered or defective camera.

The Sanyo DVR network light is not illuminated

- Is there a network cable plugged into the network jack on the back of the DVR?
- If there is a network cable plugged into the DVR then check for a defective network cable.
- Is the other end of the network cable plugged into a computer or router?

The DVR does not show in VRM software

- Is the DVR connected to the network?
- Has the network connection been broken, either on the computer side or the DVR side?
- Has the DVR been configured properly?
- Has the DVR had an IP address assigned to it?

The Sanyo DVR does not respond

• If the DVR does not respond to direct front panel input or network requests, first try to restart the DVR. Remove power for 20 seconds the power on. Wait for DVR to go through its self-diagnostic routine. If there are any error messages, write these down and call tech support. Phone numbers at the end of this guide.

14.2 Software Issues

Cannot log onto VRM software

• Have you forgotten your login name and password? Get an administrator to assign a new password.

Cannot login with administrator privileges

• All users with administrator privileges may have been deleted from the personnel section of VRM *Settings*. If this is the case, please call support. Phone numbers are at the end of this guide.

Cannot communicate with DVR

- Has the DVR been configured with its own IP address?
- Has the IP address been correctly entered into *Recorders* section in VRM *Settings*?
- Has more than 29 days gone by since the recorder was purchased and it is still not registered? Please call support. Phone numbers are at the end of this guide.

DVD player will not play DVD burned with VRM

- Not all DVD players will play all types of DVD media. The same is true for DVD media. Not all media will play in all players. Please refer the list of recommended media/player combinations in the Export section of this guide.
- Is the DVD on the recommended media list? If it is try burning another DVD. If it is not on the recommended media list, please obtain one of the media types on the list. When trying media not on the list please run a trial export to test media/player compatibility before using.

Cannot download video data from DVR

• Has the DVR been properly configured with an IP address and has this IP address been correctly entered into the *Recorders* section of VRM *Settings*?

Cannot download audio data from digital voice recorder

- Is the recorder properly inserted into its cradle?
- Is the cradle plugged into the computer via its USB cable?
- Has the device been installed on the computer where you are trying to use it?

15 Glossary

Click

An instance of clicking down and releasing a button on a pointing device, such as a mouse.

CODEC

Coder/decoder. An electronic device used to convert digital signals to and from analog form. Also, a software routine used to convert one file format to another and back again.

Database

A collection of data arranged for ease and speed of search and retrieval.

Directory

A listing of the files contained in a storage device, such as a hard drive.

Double Click

Two clicks in rapid succession; see definition under Click.

DSS

Digital Speech Standard (International Voice Association standard): The format used by some digital voice recorders (Olympus) to compress audio data for storage on digital media.

DVD

Digital Video Disk or Digital Versatile Disk: A high-density compact disk for storing large amounts of data, especially high-resolution audio-visual material.

DVR

Digital Video Recorder: The digital equivalent of a VCR. Digital video recorders contain no physical tape but record video on a hard drive.

DVR (2)

Digital Voice Recorder: The digital equivalent of a tape recorder. Digital voice recorders do not use physical tape but record on a memory card.

File

A collection of related data or program records stored as a unit with a single name.

Hard Drive

Computer hardware that spins magnetic media used for writable storage of computer data.

IP Address

Internet Protocol Address: The 32-bit host address defined by the Internet Protocol in STD 5, RFC 791. It is usually represented in dotted decimal notation. An IP address looks like 192.168.1.2. All devices connected to the Internet must have an IP Address.

ISO Image

An ISO image (.iso) is an informal term for a disk image for an ISO 9660 file system. More loosely, it refers to any optical CD file image. As is typical for disk images, in addition to the data files that are contained in the ISO image, it also contains all the filesystem metadata (boot code, structures, and attributes). All of this information is contained in a single file.

LAN

Local Area Network: A system that links together electronic office equipment, such as computers, and forms a network within an office or building.

MJPEG

Motion Joint Photographic Experts Group. A proprietary method of storing video in digital format in compressed format.

MSDE

Microsoft SQL Desktop Engine: A program used to create and manage an SQL Database.

Network

A system of computers and digital systems interconnected in order to share information.

Path

A fully specified name of a computer file, including the position of the file within the file system's directory structure. A typical path name might look like: C:\Program Files\Vigil\VRM\VRM.exe

PDF

Portable Document Format: The native file format for Adobe Systems' Acrobat. PDF is the file format for representing documents in a manner that is independent of the original application software, hardware, and operating system used to create those documents. A PDF file can describe documents containing any combination of text, graphics, and images in a device-independent and resolution independent format. These documents can be one page or thousands of pages, very simple or extremely complex with a rich use of fonts, graphics, colour, and images. To download the free PDF reader go to http://www.adobe.com/.

Resolution

The fineness of detail that can be distinguished in an image. For a monitor this number is usually expressed in terms of pixels. For example, 1024x768 is the number of horizontal pixels x the number of vertical pixels. For video cameras this is expressed as TVL, (TV lines). The number of horizontal scan lines.

SQL

Structured Query Language: An industry-standard language for creating, updating and, querying relational database management systems.

VRM

Video Real-time Management

WAN

Wide Area Network: A communications network that uses such devices as telephone lines, satellite dishes, or radio waves to span a larger geographic area than can be covered by a LAN.

WAV

WAV file format is a file format for storing digital audio (waveform) data. It supports a variety of bit resolutions, sample rates, and channels of audio. This format is very popular upon PC platforms and is widely used in professional programs that process digital audio waveforms.

16 Contact Information

3xLogic has offices in Victoria BC, Canada and in Westminster Colorado, USA. Please visit our 3xLogic web site at www.3xlogic.com. Please contact us by e-mail at support@3xlogic.com (technical support), or using the following contact information:

3xLogic Technical Support: Toll Free: (877) 3XLOGIC (877) 395-6442 Email: support@3xlogic.com Website: www.3xlogic.com

3xLogic Corporate Headquarters 16-6782 Veyaness Road Victoria, BC V8M 2C2 Canada

3xLogic USA Main Office 6510 West 91st Avenue Westminster, CO 80031 USA