3xLOGIC

Intelligent Video Surveillance

VIGIL VCM – DVR Central Management v6.00.0000

User's Guide

January 2011 Revision

Table of Contents

1 Introduction

This guide describes the installation and operation of 3xLOGIC's VIGIL VCM software. This version of the User's Guide is current to Version 6.00.0000 of the VIGIL VCM software.

VIGIL VCM provides a simple, yet effective way to monitor and manage multiple VIGIL Server DVRs. It can poll each DVR's health remotely and independently for information such as cameras on line, recording status, disk storage and many other points of interest and alerts. VIGIL VCM organizes your DVRs into concise lists, called fleets, for ease of management. In addition to these features, VCM provides a way to centrally manage software update profiles for each remote site.

3xLOGIC (www.3xlogic.com) produces enterprise class DVRs and state-of-the-art surveillance software.

VCM Server and Client Overview
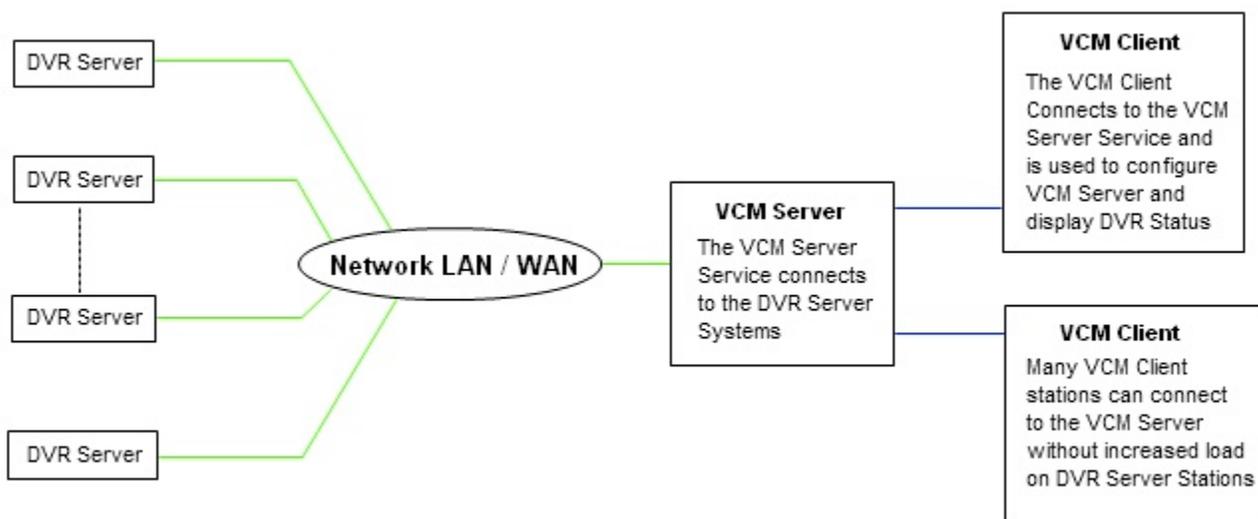
2 System Requirements

PC Feature	Recommended
Operating System	Microsoft Windows XP Professional SP3 or Windows 7 Professional or Ultimate (32 or 64 bit)
CPU	Intel Core2 Duo, minimum 2.0 GHz
RAM	Minimum 2 GB
HDD	SATA (Minimum 50MB required for install)
Database	Microsoft SQL Desktop Engine

3 Features

Feature	Details
Health Monitor	Provide 'at a glance' status of all DVR Servers fo r configured options. Also provides popup and / or email alerts when configured alarm conditions are met.
Access Control	VIGIL Server Access Control functions on a workgroup model , each DVR mai ntains its own Access Control List. VCM Server can Push User and Grou p information to Si ngle and Multiple DVRs.
Updates	Configure update profiles for Si ngle DVR or Groups of DV R's to have di fferent update schedules and options.
Centralized Analytics Database	Copies the Analytics Data from Configured DVR's to a Centrali zed Database to simplify Analytics Reporting. **Note**: The Target Central SQL Database requires Central Video Analytics Setup Scripts to be run on the system.

4 VCM Client Login

When the VCM Client is launched, the *Login* window will display. This window is used to connect to the VCM service.

Server	The IP address or DNS name of the System running the VCM Server Service. If the Server Service is installed on the same system as the VCM Client, use the IP address "localhost".
User Name / Password	The Username and Password to login to the VCM Client. **Note**: The default user name and password for the VCM Service is 'user' and '123'.
Automatically log on as this user on startup	When enabled, this feature will automatically log on as the specified user when VCM Client is launched.

Note: It is recommended to restart VIGIL VCM Server and Client monthly.

Note: VCM Client uses Port 10507 to connect to the VCM Server Service.

5 VCM Client Main Window

This is the main view of VIGIL VCM Client. The Health Monitor will be open by default.

Icon Toolbar:
This table is a quick listing of the main toolbar buttons and their usage. Detail of each corresponding window is outlined in later sections.

Exit	Exits the VIGIL VCM Client program. An exit confirmation window will appear.
Add DVR	Add a DVR to the currently selected Fleet. By default all DVRs are added to the (default) Fleet. Clicking the ▾ button will open a context menu for the currently selected DVR.
DVRs	Opens the DVRs Window. Allows the DVRs list to be filtered for easier maintenance.
Access Control	Opens the Access Control window. Users and Groups can be configured for DVRs.
Health Monitor	Opens the Health Monitor window. This allows the user to monitor DVR Server Status.
Updates	Opens the Updates window. Update configuration can be configured for DVRs.
Jobs	Opens the Jobs window. This lists tasks that still need to be completed. This allows for unresponsive DVRs to still have the changes applied when the DVR becomes responsive.
Settings	Opens the Settings window. This is the main configuration page for VIGIL VCM.
Refresh	Requests the latest DVR information from the VCM Server Service.

Status Bar:
The Status Bar is located at the bottom of the VIGIL VCM Client Window.

Last Update	The date and time of the last refresh.
OK	Shows Health Monitor Status. Click to open the Health Monitor window and the Error Alerts window.
Matrix: N/A	Displays the status of the connection to the matrix controller (if attached).
Job Exceptions	Shows Jobs status. Click to open the Jobs window.
localhost:10507	Displays the VIGIL VCM Server that the VCM Client is currently connected to.
Login: user	Displays the currently logged in user. Click to log off.
10/29/2010	Displays the current date. Click to open the Windows Date and Time Properties control.
9:33:54 AM	Displays the current time. Click to open the Windows Date and Time Properties control.

Auto Detect DVR Servers
On the File menu item, select Auto Detect DVR Servers. Find all DVR Servers on the same network that have the option *Allow Auto Detect* enabled.
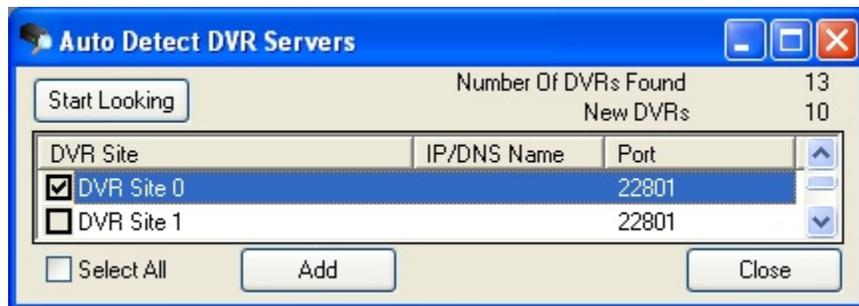
Start / Stop Looking	Click Start Looking to search for DVRs, and then click Stop Looking once all DVR's have appeared in the list.
Number of DVRs Found	The number of DVR Servers detected.
New DVRs	The number of DVR Servers detected that are not already configured in VIGIL VCM Server.
Add	Select the DVR Servers in the list to be added to VCM Server and click Add. If multiple servers are selected, settings can be configured for all DVRs.

Audit Log
Monitor activities in VCM via the *Audit Log*, which is located under the *View* menu bar item. Specific activities performed by VCM will be listed here along with their corresponding date/times and DVRs.

DVR Menu

The DVR menu is a context sensitive list of options, these options can be accessed from the DVR Toolbar menu, or by right clicking on a DVR Server.

Health Monitor DVR Menu Items

Add DVR	Open the Add DVR window. This option is the only option available when no DVR Selected in Health Monitor.
Edit DVR	Open the Edit DVR window for the selected DVR Server.
Delete DVR	Delete the selected DVR Server.
Take Snapshot of DVR Settings	Create a backup of the DVR Server settings.
Apply Settings Snapshot to this DVR	Restore the last Settings Snapshot to the selected DVR Server. The date and time of the available snapshot is displayed on the menu.
Poll DVR	Refresh the current status of the selected DVR Server.
Extract Still Images	Copy a still image of each camera enabled on the DVR Server and stores them in: C:\Program Files\VIGIL\VCM\ServerIP.port
Open Still Image Destination	Open the Still Image folder for the selected DVR Server.

Access Control DVR Menu Items

Include all of the Health Monitor items as well as:

Update All Users	Update all Users on the Selected DVR Server.
Update All Users on All DVRs	Update all Users on all DVR Servers.

Updates DVR Menu Items

Include all of the Health Monitor items as well as:

Send Update Profile to this DVR	Send the Update Profile to the selected DVR Server.
Send All Update Profiles to All DVRs	Send all Update Profiles to all DVR Servers.
Send Update Profile to this DVR and Apply Immediately	Send the Update Profile to the selected DVR Server and Immediately Apply any associated updates.
Send All Update Profiles to All DVRs and Apply Immediately	Send all Update Profiles to all DVR Servers and Immediately Apply any associated updates.

6 Add / Edit DVR Servers

Add DVR ▾	Opens the *Add DVR* window. Use the ▾ button for context sensitive options depending on the currently selected window, this menu can also be accessed from the Main Toolbar *DVR* menu and from right clicking on a DVR.

Fleet	If Fleets have been configured, select which Fleet the DVR will be a member of. If no Fleets have been configured, this option will not be available and all DVRs will be members of the (Default) Fleet.
Name	A Descriptive Name for the DVR Server.
IP Address	The IP Address or DNS Name of the DVR Server.
DVR Type	Select either VIGIL DVR or Sanyo DSR.
Port	The Data port for the DVR Server.
Dialup Entry	If the DVR Server is across a Dialup connection, select which Dialup connection to use.
Save Still Image	When enabled, Copy a still image of each camera enabled on the DVR Server and stores them in: C:\Program Files\VIGIL\VCM\ServerIP.port
Manage Access Control	Enable Access Control management. When this option is enabled, the DVR Servers Access Control Database will be synchronized with the VCM Server. All existing User and Group settings will be overwritten.
Manage Health	Enable Health Monitor polling. Click the Settings... button to configure the Health Monitor Settings.
Manage Updates	Enable Update Configuration management. When this option is enabled, the DVR Servers Update Service settings will be synchronized with the VCM Server. All existing Update Service settings will be overwritten.
Manage Analytics	Enable the copy of Video Analytics data from the DVR Server to the Central Analytics Database configured in the VCM Server Settings.
Analytics SQL Port Number	The Port number of the Analytics Database. The default port is 1433.
Groups	Select which groups will be pushed to the DVR Server.
Save as Default	Enable Save as Default to save the current configuration as the default for future DVR Servers.

6.1 Manage Health Settings

When adding a DVR and choose to Manage Health, click the Settings button to open the configuration window where you can configure the Health Monitor settings, Email Notification settings and configure Failover.

Site Configuration Tab
The type of DVR, what settings are monitored and the site contact information is configured on this tab.
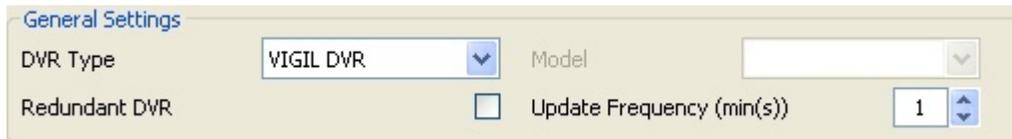
General Settings

DVR Type	Select either VIGIL DVR or Sanyo DSR. When configuring a Sanyo DSR, many options will de disabled as they cannot be monitored or are irrelevant.
Model	Select the Model Number of the Sanyo DSR. Disabled when configuring a VIGIL DVR.
Redundant DVR	A Redundant DVR is used for backup recording in the event that another DVR Fails. Addition hardware is required for a Redundant DVR to function.
Update Frequency	Set how often the VCM Server will poll the DVR for new information.
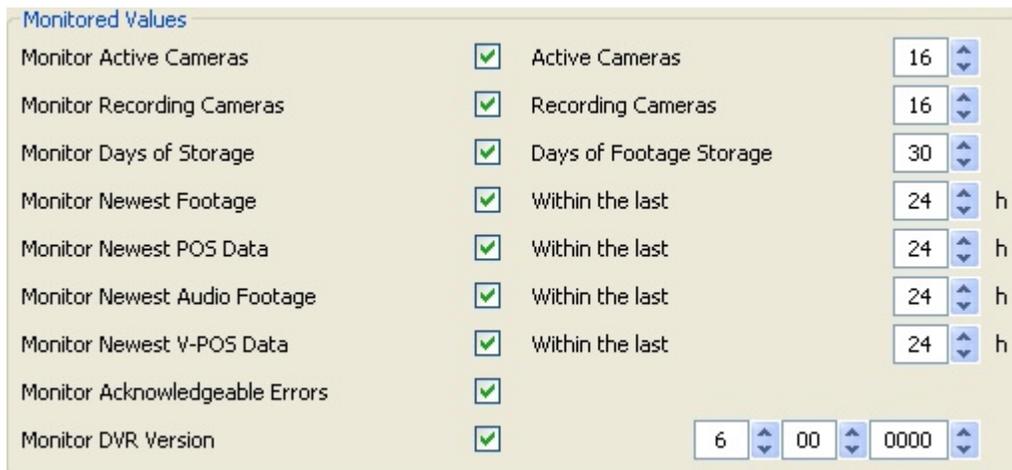
Monitored Values

Monitor Active Cameras	Monitor the number of cameras connected to the DVR Server. Active Cameras is the number of Cameras expected to be connected to the DVR Server.
Monitor Recording Cameras	Monitor the number of cameras configured for recording on the DVR Server. Recording Cameras is the number of Cameras expected to be recording on the DVR Server.
Monitor Days of Storage	Monitor the number of days of stored footage available on the DVR Server. Health Monitor will not generate warnings for days of footage until the specified number of days has elapsed since the DVR began recording.
Monitor Newest Footage	Monitor for new video footage recorded within the specified number of hours.
Monitor Newest POS Data	Monitor for new POS Data recorded within the specified number of hours.
Monitor Newest Audio Footage	Monitor for new Audio recorded within the specified number of hours.

Monitor Newest V-POS Data	Monitor for new V-POS Data recorded within the specified number of hours.
Monitor Acknowledgeable Errors	Monitor for Acknowledgeable Errors on the DVR Server.
Monitor DVR Version	Monitor the Version of the DVR Server.

Threshold Values

Timeouts Before Failure	The number of timeouts before considering a connection to be in error.
Connection Timeout	The time in seconds before a timeout occurs between the DVR Server and VCM Server.
Stalled thread error threshold	Monitor the state of video capture threads on the DVR Server. If a stalled thread is detected for the specified number of connection attempts an error is generated.
CPU Critical Threshold	The maximum CPU usage allowed on the DVR Server before an error is generated.
Hard drive Temperature Threshold	The maximum temperature in Celsius that the DVR Server hard Drives can reach before an error is generated.

Site Contact Info
This information is included in email notifications sent from the VCM Server regarding this DVR Server.

Email Notification Tab
Email addresses and what alerts / errors will trigger an email notification are triggered on this tab.

Notification by Email	Enable Email notification.
Auto-CC Site Contact	When enabled include the Site contact on all Email notifications.

Email Recipients

Email List…
Opens the Email List window where email addresses can be added or removed from the Email Recipients for the DVR Server. This list is global for all DVRs configured in the same Fleet, if only the (default) fleet is used, this list will be global for all DVR Servers configured.

Add / Edit		**Email Address**	The email address for this recipient.
		Name	A descriptive name for this recipient.
		Scheduled Email Alerts	Select the checkbox to enable selective times for email alerts to be sent to this email address.
Delete	Delete the selected email address. When an email address that exists in a Fleet's Email Recipients list is deleted from the Email List window, it will be deleted entirely from all fleet and server email lists.		
Select All / None	Select all or none of the email addresses in the list.		

Custom Alert Command

When enabled, allows an alternative means of notification to be used. Enter a command or application in the first box and parameters for it in the second box. This does not support any commands or applications that utilize a GUI.

Notification Settings
An email will be sent to each recipient in the list and/or the custom alert will be executed when any of the enabled criteria are satisfied. Not all criteria may be available depending on the monitored information in the Site Configuration tab.

Email alert if no DVR response after	The number of failed connection attempts before an alert will be emailed.
Email alert if camera number changed after	The number of consecutive connections reporting an incorrect number of active or recording cameras before an alert will be emailed.
Email alert if CPU above critical threshold after	The number of consecutive connections reporting a critical CPU usage level before an alert will be emailed.
Alert if data drives are offline	Send an email notification if a data drive goes offline.
Alert if recording on backup drives	Send an email notification if the DVR begins recording to a backup drive. Also enables alerts for offline or offsite backup destinations.
Alert if not recording expected days of storage	Send an email notification if the DVR is not meeting the expected days of storage.
Alert if no footage in past 24 hour(s)	Send an email notification if no footage has been recorded in the past 24 hours.
Alert if there are Acknowledgeable Errors on the DVR	Send an email notification if there are acknowledgeable errors on the DVR Server.
Alert if matrix failover triggered	Send an email notification if a matrix failover event occurred and completed successfully.
Alert if matrix failover failed	Send an email notification if a matrix failover event occurred and failed to complete.
Alert if DVR version out of sync	Send an email notification if the DVR Server version does not match the version specified in the *Monitored Values* section of the Site Configuration tab.
Alert if Hard Drive temperature has failed	Send an email notification if a Hard Drive on the DVR Server has reached the temperature threshold specified in the *Threshold Values* section of the Site Configuration tab.

Failover Setup Tab

Failover is a backup operation that automatically switches video outputs to a Redundant DVR for recording should the primary system fail. Additional hardware is required for this feature to function. When the failover is executed, VCM Server executes a command on the Matrix Controller that will switch the specified logical matrix inputs to the specified monitor outputs and then sets the Redundant DVR Servers recording state to on.

Failover Enabled	Check to enable the failover feature for the system.
Test Failover	Executes a failover for 30 seconds and then resumes normal recording.

Failover Settings

Execute After	Set the number of consecutive failures before executing the Failover.
DVR Input #	The DVR input number on the Redundant DVR that will be recording the video footage from the Matrix Output.
Logical Matrix Input	The input number on the Matrix Controller that connects to the Primary DVR Server.
Matrix Output	The output number on the Matrix Controller that connects to the Redundant DVR.
Record Default	If the Redundant DVR is normally recording another input, the Record Default is set to on. While the DVR is in failover, these normal inputs will not be recorded until the Primary DVR Server comes back online.

Failover DVR

Use the DVR tab to setup the Failover DVR configuration information. DVR Type (VIGIL or Sanyo), IP or DNS name, Username, Password and Data Port.

6.2   Searching DVR Servers

DVRs	Opens the DVRs window which allows for quick identification of DVR Servers.

Using the Filters section the listing of DVRs can be shortened based on the selected criteria.

☑	When enabled, the Edit and Delete buttons as well as the right click context menu will be enabled for the DVR Server. If multiple DVR Servers are checked, these will apply to all checked DVR Servers.
Add	Opens the Add DVR window.
Edit	Opens the Edit DVR window for the selected DVR(s).
Delete	Deletes the selected DVR(s) from the VCM Server.
Select All / None	Select or Deselect all currently listed DVR Servers.

Export	Export the current DVR list to an HTML, CSV or Tab separated file.
Print	Print the current DVR list to the default printer.

6.3　　Fleets

A Fleet consists of a group of DVRs that can be used to group them in any way that makes management easier (regional, similar permissions and users, etc).

Add Fleet ▾ (Default) ▾	Click to open the Add Fleet window. Click the ▾ button to open a context menu to Add, Edit or Delete the currently selected fleet. Use the Drop Down Menu to change the currently selected fleet.
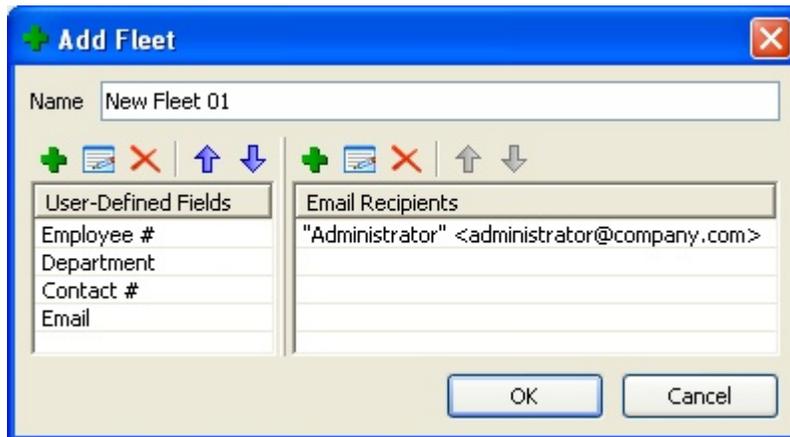
Name	Enter a descriptive name for the Fleet.
User-Defined Fields	Allows for the creation of user defined fields. These fields will need to be filled in when new users are created for the Fleet. This information is only used as meta data for ease of organization.
Email Recipients	Enter the contact email addresses for the Fleet. These email addresses will automatically appear in the email list for DVRs that are members of the Fleet.
✚ ▭ ✖ ⬆ ⬇	Add, or for the currently selected item: edit, delete, move up and move down.

7 Health Monitor

The Health Monitor window provides 'at a glance' status of all DVR Servers for configured options. Also provides popup and / or email alerts when configured alarm conditions are met.

| Alerts | Notifications | DVR Log | DVR Details | Print... ▾ | Export... | ✓ OK (7) | ⚠ Warning (1) | ❌ Error (1) | Total: 9 |

Description ⁄	IP/DNS Name	Status	In Alert Since	Site Name	Version	Cam-T	Cam-A	Cam-R	CPU
🖥 101 DVR Server		OK		Main Office	6.00.0000	32	16	16	22
🖥 102 DVR Server		Warning	10/29/2010 10:59:10 AM	Warehouse	5.00.9999 [6.00.0000]	32	8	8	76
🖥 103 DVR Server		Error	10/29/2010 11:03:51 AM	Parking Lot	6.00.0000	32	16	16	27

7.1   Health Monitor Toolbar

🖥 All Fleets	Toggles the Health Monitor display between displaying DVRs for the currently selected fleet and all DVRs. This button is only visible if multiple fleets exist.
🖥 Alerts	Open the Health Monitor Error Alert window. This window displays currently active and acknowledged error alerts.
✓ Notifications ❌ No Notifications	Toggles email notification for Error events On or Off. When toggle notifications off, a prompt will appear to confirm and then the Suppress Email Notification window is opened. **Suppress Email Notification** Suppress Email Notification ☐ Never Expires Expires in 1 ▲▼ h 0 ▲▼ m OK Cancel Select how long the suppression of email notifications will last. To make the term indefinite, check Never Expires.
🔄 DVR Log	Toggles the DVR Log side window. This window contains the Event Log for the selected DVR Server.
📄 DVR Details	Toggles the DVR Details side window for the selected DVR Server.
🖨 Print... ▾	Print DVR Site Information for the currently selected view. Click the ▾ button to print DVR Details for the currently selected DVR Server. **Note**: DVR Details is only available when the DVR Details side window is open.
💾 Export...	Export DVR Site Information for the currently selected view. Can be exported as HTML, Text File or as a Comma Separated File.
✓ OK (8)	Display the number of DVR Servers with no errors in the currently selected Fleet.
⚠ Warning (0)	Display the number of DVR Servers in *Warning* state in the currently selected Fleet.
❌ Error (0)	Display the number of DVR Servers in *Error* state in the currently selected Fleet.
Total: 8	Display the total number of DVR Servers in the currently selected Fleet.

7.2 Health Monitor Status Display

This table displays 'at a glance' information for each DVR Server that is currently being monitored. This list can be filtered by Fleet and / or Status.

Description	IP/DNS Name	Status	In Alert Since	Site Name	Version	Cam-T	Cam-A	Cam-R	CPU
101 DVR Server		OK		Main Office	6.00.0000	32	16	16	22
102 DVR Server		Warning	10/29/2010 10:59:10 AM	Warehouse	5.00.9999 [6.00.0000]	32	8	8	76
103 DVR Server		Error	10/29/2010 11:03:51 AM	Parking Lot	6.00.0000	32	16	16	27

Fleet		The Fleet that the DVR Server is a member of.
Description		The Descriptive Name of the DVR Server.
IP / DNS Name		The IP Address or DNS Name of the DVR Server.
Status	OK	Shows when the DVR Server is Online and not experiencing any errors.
	Warning	The DVR Server will show as Warning when a non critical error state exists on the DVR Server, such as Camera Number Mismatch or CPU Usage.
	Warning	The DVR Server is in a Warning state, but the error has been acknowledged.
	Error	The DVR Server will show as Error when a critical error state exists, such as No Cameras Recording or the VCM Server Service cannot connect to the DVR Server.
	Error	The DVR Server is in an Error state, but the error has been acknowledged.
In Alert Since		Displays the Time and Date that the DVR Server entered a Warning or Error State.
Site Name		The Site Name listed in the DVR Server Settings.
Version		The Version of the DVR Server software.
Cam-T		The total possible number of camera inputs on the DVR Server.
Cam-A		The total number of active camera inputs on the DVR Server.
Cam-R		The total number of currently recording cameras on the DVR Server.
CPU		The current CPU usage on the DVR Server.
Memory		The current memory usage on the DVR Server. Listed as committed/total available.
Disk		The current disk usage on the DVR Server. Listed as used/total available.
Connections		The current / total available connections on the DVR Server.
Last Update		The Date / Time of the last time the VCM Server Service polled the DVR Server.
Days of Storage		The current / expected days of video footage stored on the DVR Server.
Oldest Footage		The Date / Time of the oldest video footage stored on the DVR Server.
Oldest Alarm Footage		The Date / Time of the oldest Alarm video footage stored in an Alarm Reserved portion of a video storage drive on the DVR Server.
Serial Number		The Serial number of the DVR Server.

7.3 Health Monitor Error Alerts

The Health Monitor Error Alerts window is displayed whenever a new Warning or Error is detected by Health monitor. By default, the system will beep and the window will flash until the warning / alert is acknowledged or corrected.

Delete / All	Delete the Selected (All) Warning / Alert.
Acknowledge / All	Acknowledge the Selected (All) Warning / Alert.
Fleet	The Fleet that the DVR Server is a member of.
Description	The Descriptive name of the DVR Server.
IP / DNS Name	The IP Address or DNS Name of the DVR Server.
Status	The Error Status of the DVR Server.
In Alert Since	The Date / Time that the Warning / Alert occurred.
Failover Attempts	When a DVR Server configured for Failover enters an Error state, the DVR Health Monitor waits for the specified number failures before executing the Failover. This is displayed as: <number of failures> / <number of failures before Failover>, for example: 2/3. To execute an immediate failover, right click Failover Attempts and select *Execute Failover*. To stop the Failover from occurring, right click Failover Attempts and select *Ignore Failover*. To re-enable, right click Failover attempts and select *Re-Enable Failover*. When the Failover is successful, *Executed* is displayed. This means that the Failover command has been executed on the Matrix Controller and turned on recording on the Redundant DVR Server. If the Failover is not successful, *Failed* will display. Right click on *Executed* to display a detailed Failover report.

7.4   DVR Details

The DVR Details sidebar contains general information about the selected DVR Server.
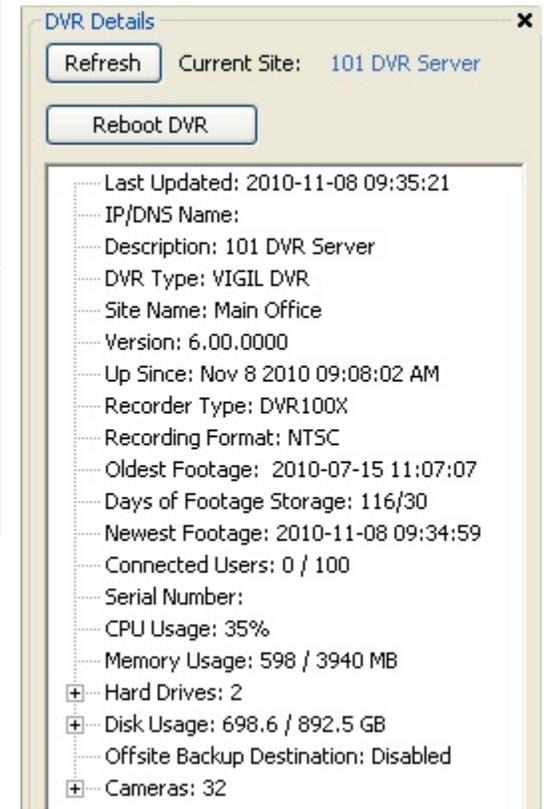
DVR Details Sidebar Image		
	Refresh	Click Refresh to force an update of the DVR Details Log.
	Current Site	The Descriptive name of the Selected DVR Server.
	Reboot DVR	Click this button to Reboot the Selected DVR Server.

DVR Details Report

Last Updated	The last time the VCM Server Service refreshed this DVR Servers status.
IP / DNS Name	The IP Address or DNS Name of the DVR Server.
Description	The Descriptive name of the DVR Server.
DVR Type	The type of DVR Server, either VIGIL DVR or Sanyo DVR.
Site Name	The Site Name listed in the DVR Server Settings.
Version	The Version of the DVR Server software.
Up Since	The Date / Time the DVR Server started running.
Recorder Type	The DVR Server Recorder type. Shows the type of capture card installed in the DVR Server. Displays NVR when no capture card is installed in the DVR Server.
Recording Format	The video recording format being recorded, NTSC or PAL.
Oldest Footage	The Date / Time of the oldest video footage stored on the DVR Server.
Days of Footage Storage	The current / expected days of video footage stored on the DVR Server.
Newest Footage	The Date / Time of the newest video footage stored on the DVR Server.
Connected Users	The current / total available connections on the DVR Server.
Serial Number	The Serial number of the DVR Server.

CPU Usage	The current CPU usage on the DVR Server.
Memory Usage	The current memory usage on the DVR Server. Listed as committed/total available.
Hard Drives	The number of Hard Drives in the DVR Server. Click the + to display details for each Hard Drive, Temperature, Model, Serial number and Firmware version.
Disk Usage	The total Disk Space configured on the DVR Server. Listed as Current Used / Total. Click the + to display details for each partition: Drive Letter\Path, % used, Free Space / Total.
Offsite Backup Destination	If an Offsite Backup destination is configured on the DVR Server, the destination path and amount of space remaining is listed.
Cameras	The total number of Registered camera inputs on the DVR Server. Click + to display the number of Active and Recording Cameras. For each camera input, the following information is listed:

Cameras	**Type**	The type of camera connected. Analog or Network.
	Enabled	If recording is currently enabled.
	Active	If the camera input is currently receiving a signal.
	Recording	If the camera is currently recording.
	Recording Mode	The recording mode for the camera input: motion, constant, alarm, schedule.
	Recording Speed	The FPS currently being recorded.
	Compression	The compression settings for the camera input. Displays as N/A for network camera types.
	Resolution	The resolution of the camera input.

Hard Drive Corrupt	For Sanyo DVRs. Indicates a Hard Drive Error.
Video Loss	For Sanyo DVRs. Indicates a Signal Loss Issue.
Disk Full	For Sanyo DVRs. Indicates the Hard Drive is Full.
Fan Error	For Sanyo DVRs. Indicates a Fan Error.

8 Access Control

Users and Groups for VIGIL DVR Server are managed on each individual DVR Server. VCM Server allows the Users and Groups to be configured on the VCM Server system and then pushed out to the DVR Server system. This can be done for single DVR Servers or multiple DVR Servers grouped together in Fleets.
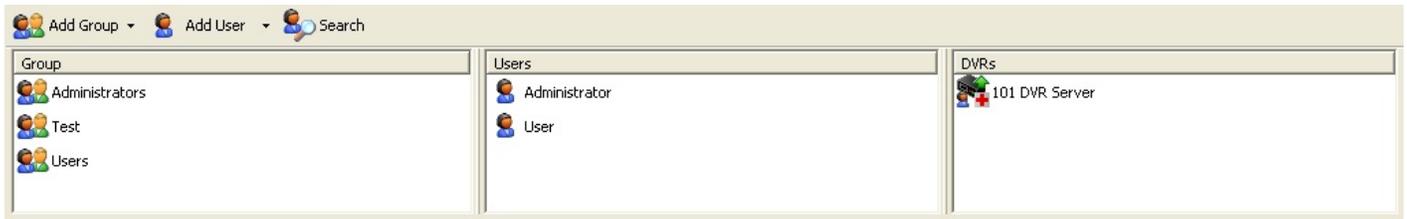
8.1   Groups

	Opens the Add Group window. Click the ▾ button to edit or delete the currently selected group. In VIGIL DVR Server, permissions are applied to Groups. Users gain permissions by being members of groups.
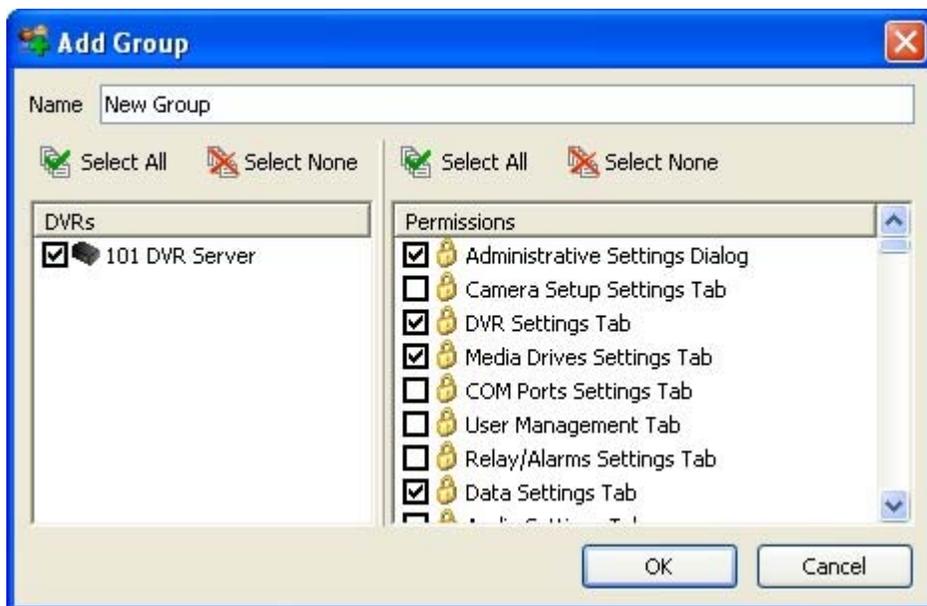
Name	A descriptive name for the group.
DVRs	The DVR Servers in the currently selected Fleet that have Manage Access Control enabled. Check the box to select which DVR Servers this group will be applied to.
Permissions	Select which permissions will be applied to this group.

8.2　　　Users

Add User ▾	Opens the Add User window. Click the ▾ button to edit or delete the currently selected user. In VIGIL DVR Server, users gain permissions by being members of groups.

User Name	The login name for the new user.
Password	The password for the new user.
👓	Toggle this button to hide / view the password.
First / Last Name	The new users Full Name
Group	Select the group that the user will be a member of from the drop down list.
User-Defined Fields	These fields are configured in the Add / Edit Fleet window. This information is only used as meta data for ease of organization.

8.3　　　Search Users / Groups

Search	Opens the Search Users window. Users can be searched based on any combination of criteria from the Add Users window. Search results can also be printed to the default windows printer, or exported to HTML, Tab Separated or Comma Separated files.

9 Updates

The VIGIL Update Service runs on each individual DVR Server. VCM Server allows the Update Profile to be configured on the VCM Server system and then pushed out to the DVR Server system. This can be done for single DVR Servers or multiple DVR Servers grouped together in Fleets.

Add Update Profile ▾	Opens the Add Update Profile window. Click the ▾ button to edit, delete or send the currently selected Update Profile.
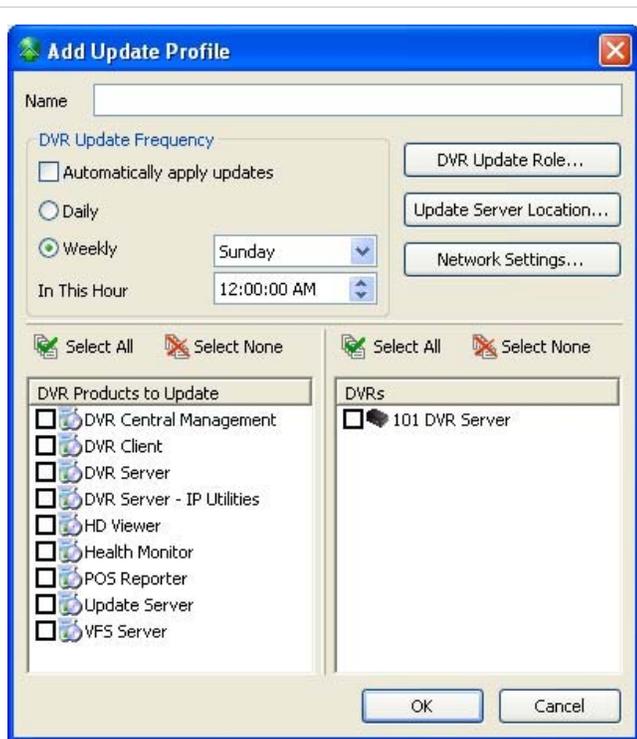
	Name	A descriptive name for the Update Profile.
	DVR Products to Update	Select which products will be updated.
	DVRs	Select which DVR Servers the update profile will be applied to.

DVR Update Frequency
Configure how often to connect to the Update Servers to check for update files and whether or not to automatically apply the update files received.

Automatically Apply Updates	When a new version of software is available for one of the products listed in the *Local Products to Update* section, it is automatically applied. **Note:** When this feature is enabled, the system will restart itself, apply the update, and restart itself again.
Daily	The *Update Service* connects to the *Update Server* once per day during the hour specified *In This Hour*.
Weekly	The *Update Service* connects to the *Update Server* once per week on the day selected from the drop-down menu during the hour specified *In This Hour*.

DVR Update Roll

Primary Server	A *Primary Server* provides update files to other systems, but does not receive update files from other systems and does not automatically apply updates locally. Update files must be manually added to the Updates tab.
Secondary Server	A *Secondary Server* acts as both a client and a server. As a client it receives update files from other Update Servers and applies them locally. As a Server, it provides update files to other systems, both files added manually as well as files it receives from other systems.
Client	A *Client* receives and applies updates to local software, but does not provide update files to other systems.

Update Server Location
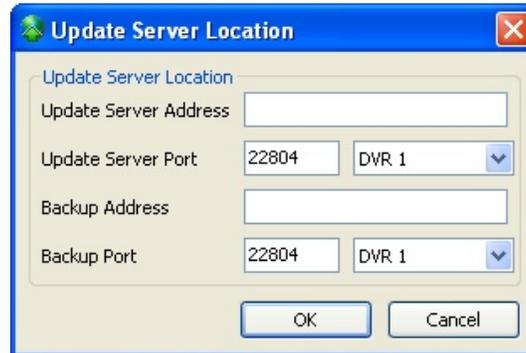
Update Server Address / Port	The DNS name or IP Address and port for the main server the update service will check for update files.
Backup Server Address / Port	The DNS name or IP Address and port of the backup server to check for update files. The backup server will be checked if the connection to the main update server fails.

Network Settings
Opens the network Settings window, where you can limit bandwidth used for sending and receiving data, Suppress network activity between specific times of day, and set how of ten to Poll the Update Server.

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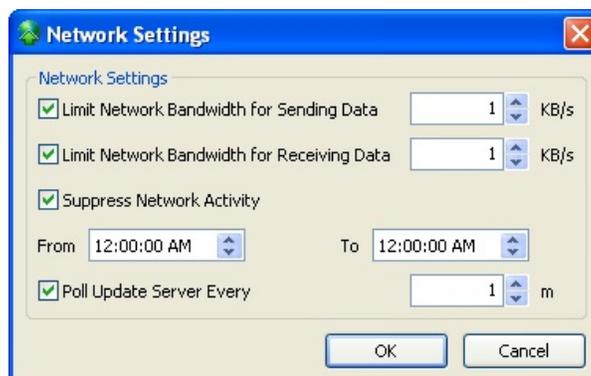
10 Jobs

The Jobs window displays a listing of Access Control and Update Profile jobs that have not yet been applied to the target DVR Servers or have failed to apply to the target DVR Server.

10.1   Jobs Toolbar

All Fleets	Toggle the All Fleets button to display Jobs for All Fleets or just the currently selected Fleet.
Retry	Restart a Job that has reached 0 attempts remaining.
Delete	Delete the currently selected Job.
Acknowledge	If the currently selected job is in Error, Acknowledge the error. This stops alerts from being sent, it does not stop the job.
Acknowledge All	Acknowledge Errors for all currently listed Jobs.

10.2   Jobs Status Display

Fleet ▽		Job #	Description	DVR	Acknowledged	Attempts Remaining	Total Attempts	Created	Last Run	Next Scheduled Run
(Default)	★	13	Update Profile	101 DVR Server	No	2	3	11/8/2010 8:05:01 AM	11/8/2010 8:05:04 AM	11/8/2010 8:15:01 AM
(Default)	★	8	Access Control	101 DVR Server	Yes	2	3	11/8/2010 8:03:41 AM	11/8/2010 8:03:44 AM	11/8/2010 8:13:41 AM

Fleet	The Fleet that the DVR Server is a member of.
Job #	The unique identifier for the Job.
Description	The type of Job.
DVR	The DVR Server that the Job is being applied to.
Acknowledged	If the job has failed to be applied, shows if it has been acknowledged or not.
Attempts Remaining	The number of attempts remaining before the job will become inactive.
Total Attempts	The maximum number of attempts before the job will become inactive.
Created	The Date / Time the Job was created on.
Last Run	The Date / Time of the last time the Job was run.
Next Scheduled Run	The Date / Time of the next time the Job will be run.

11 Settings

11.1 General Settings Tab
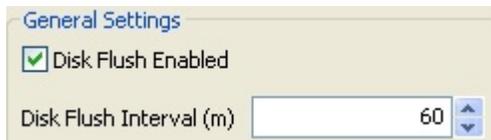
Disk Flush Enabled	When enabled, the VCM Server Service saves the DVR List, Fleets and Jobs List at the set Interval. This protects against data loss if the VCM Server Service goes offline.

11.2 Login Settings Tab

Configure the user accounts to log on to VCM Client. The default administrative user for VCM Client is: U:user P:123

![add/edit/delete icons]	Add a New User or Edit / Delete the currently selected user.	
User Name	The login name for the new user.	
Password / Confirm	The password for the new user.	
Group	Select the User Group this new user account will belong to.	
	Administrator	Full access to VCM Client and VCM Server Service Settings.
	User	Full access to VCM Client, no access to the VCM Server Service Settings.
	View Only	Able to view VCM Client, unable to make any changes.

11.3 Health Monitor Tab

Select which columns will display in the Health Monitor Status Display.
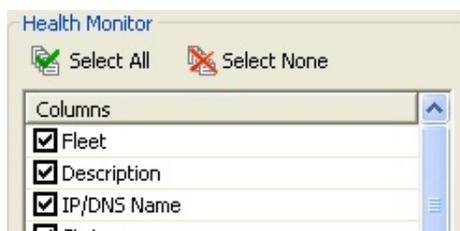
11.4   Email Settings Tab

Configure how VCM Client will send outgoing Email messages for Alerts.

	Mail Server	The IP address or DNS name of the Mail Server.
	Port Number	The port number on the Mail Server. The default mail port is 25.
	From	The Name and Email Address displayed in the outgoing emails.
	Include VCM IP Address	Check to include the IP address of the VCM Server in the From line of emails from the VCM Server.
	Requires Authentication	If the Mail Server requires authentication, check this box.
	User Name / Password	The User Name and Password for the Mail Server authentication.
	Test Email	Send a test email to ensure settings are entered correctly. A window will prompt for an email address to send the test message to.

11.5   Matrix Controller Tab

An attached Matrix Controller is configured on this tab. A Matrix Controller is required for Failover.

	Matrix Controller	Select the Type of Matrix Controller from the Drop Down List.
	PIN Code	The PIN Code required to logon to the Matrix Controller. This is configured on the Matrix Controller; refer to your matrix Controller user manual for more information.
	COM Port Settings	The COM Port settings for the Matrix Controller. These are configured on the Matrix Controller; refer to your matrix Controller user manual for more information.

11.6   Jobs Tab

	Default # of Attempts	The maximum number of times a job will be attempted.
	Default Retry Interval	The time in minutes between Retry Attempts.
	Global Auto Retry Enabled	When enabled, all pending Jobs will be retried automatically at a set interval.
	Global Auto Retry Interval	The time in hours between Global Retry Attempts.

11.7   Alerts Tab

Audio Notification	Enable system beep for all alerts. The audio notification will continue until the alert has been acknowledged or fixed.
Automatically Show Exception Form	Automatically display the *Health Monitor Alert Window* when a DVR Server is in Warning or Error state.

11.8   Analytics Tab

Configure the Central Analytics Server information that will be used by all DVR Servers with Manage Analytics Enabled. The Central Analytics Server requires a Microsoft SQL Desktop Engine and Central Analytics Database Scripts to be run.

Statistics	Enable Statistics to send all Video Analytics Rule results to the Central Analytics Server.
Alarms	Enable Alarms to send all Video Analytics Alarm data to the Central Analytics Server.
Central Analytics Server	The IP Address or DNS Name of the Central Analytics Server.
SQL Port Number	The SQL Port number. The default port number is 1433.
Analytics User Name	The SQL User Name on the Central Analytics Server.
Analytics User Password	The SQL Password on the Central Analytics Server.
Data Update Interval	Set the interval in minutes that Analytics Information will be copied from the DVR Server to the Central Analytics Server.
Test Connection	Test the settings to ensure a connection to the Central Analytics Server.
Reset to Default	Reset the fields to default settings.

12 Language Switcher
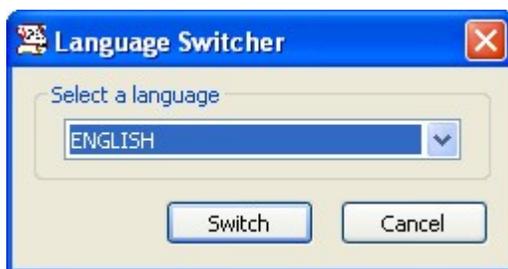
VIGIL VCM can be run in English, French, Spanish and Hebrew. The *Language Switcher* can be run from the Windows S tart menu, select *Programs | VIGIL | Language Switcher*. Sel ect the desi red language from the drop-down menu, click switch. A prompt will show informing that a system reboot is required to complete the language change. Click *Yes* to reboot immediately, Click *No* to have t he update applied the next time the system is restarted. Note: The prompt will display in the language that is being switched to.

13 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:

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          (877)   395-6442
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