

SOFTWARE HOUSE

From Tyco Security Products

C•CURE 9000
Version 2.80

DW Spectrum Integration Guide

REVISION A0



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C•CURE 9000 2.80

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Preface

The DW Spectrum Integration is for new and experienced security system users who want to learn to use this product for the C•CURE 9000 Security Management System.

How to Use this Manual

This manual contains chapters that provide the following information about the C•CURE 9000 DW Spectrum Integration product.

Chapter 1: Introduction

Provides basic information about this product.

Chapter 2: Installation

Provides instructions for installing the DW Spectrum Integration product.

Chapter 3: C•CURE Video Tree

Explains how to use the C•CURE 9000 Video Tree Pane.

Chapter 4: C•CURE DW Spectrum Server

Explains how to configure the DW Spectrum Server in C•CURE 9000.

Chapter 5: C•CURE DW Spectrum Camera

Explains how to configure the DW Spectrum Camera in C•CURE 9000.

Chapter 6: C•CURE DW Spectrum Camera Viewer

Explains how to use the Camera Viewer in C•CURE 9000.

Chapter 7: Event Actions in C•CURE 9000

Explains how to add DW Spectrum event actions in C•CURE 9000.

Chapter 8: Event and Camera Live Video Association in C•CURE 9000

Explains DW Spectrum events and live video association

Chapter 9: Alerts and Journaling System in C•CURE 9000

Explains how the journaling system works in C•CURE 9000.

Chapter 10: Troubleshooting the DW Spectrum Integration

Explains how to troubleshoot the DW Spectrum integration

Finding More Information

You can access C•CURE 9000 manuals and online Help for more information about C•CURE 9000.

C•CURE 9000 Manuals

C•CURE 9000 software manuals are available in Adobe PDF format on the C•CURE 9000 DVD.

You can access the manuals if you copy the appropriate PDF files from the C•CURE 9000 Installation DVD Manuals\CCURE.

The available C•CURE 9000 Software House manuals are listed in the *C•CURE 9000 Installation and Upgrade Guide*.

These manuals are also available from the Software House Member Center website (<http://www.swhouse.com/TechnicalLibrary/TechLibSW.aspx>).

C•CURE 9000 Online Help

You can access C•CURE 9000 Help by pressing F1 or clicking Help from the menu bar in the Administration/Monitoring Station applications.

Conventions

This manual uses the following text formats and symbols.

Convention	Meaning
Bold	This font indicates screen elements, and also indicates when you should take a direct action in a procedure. Bold font describes one of the following items: <ul style="list-style-type: none">• A command or character to type, or• A button or option on the screen to press, or• A key on the keyboard to press• A screen element or name
blue color text	Indicates a hyperlink to a URL, or a cross-reference to a figure, table, or section in this guide.
<i>Regular italic font</i>	Indicates a new term.
<text>	Indicates a variable.

The following items are used to indicate important information.

NOTE

Indicates a note. Notes call attention to any item of information that may be of special importance.

TIP

Indicates an alternate method of performing a task.



Indicates a caution. A caution contains information essential to avoid any damage to the system. A caution can pertain to hardware or software.



Indicates a warning. A warning contains information that advises users that failure to avoid a specific action could result in physical harm to the user or to the hardware.



Indicates a danger. A danger contains information that users must know to avoid death or serious injury.

Software House Customer Support Center

C•CURE 9000 DW Spectrum Integration Product Technical Support

Software House supports the C•CURE 9000 DW Spectrum Integration Driver. Please contact Software House for questions regarding the driver and its operation within C•CURE 9000. For questions regarding the DW Spectrum hardware, DW Spectrum Software please contact DW Spectrum technical support.

Telephone Technical Support

During the period of the Agreement, the following guidelines apply:

- Software House accepts service calls **only** from employees of the Systems Integrator of Record for the installation associated with the support inquiry.

Before Calling

Ensure that you:

- Are the Dealer of record for this account.
- Are certified by Software House for this product
- Have a valid license and current Software Support Agreement (SSA) for the system.
- Have your system serial number available.
- Have your certification number available.

Hours	Normal Support Hours	Monday through Friday, 8:00 a.m. to 8:00 p.m., EST. Except holidays.
	Emergency Support Hours	24 hours/day, seven days a week, 365 days/year. Requires Enhanced SSA "7 x 24" Standby Telephone Support (emergency) provided to Certified Technicians. For all other customers, billable on time and materials basis. Minimum charges apply – See MSRP.
Phone	For telephone support contact numbers for all regions see:	http://www.swhouse.com/support/contact_technical_support.aspx

Introduction

This chapter introduces the DW Spectrum Integration software that provides integration between the DW Spectrum System and C•CURE 9000 access security management.

DW Spectrum Integration Overview

The C•CURE 9000 Digital DW Spectrum Integration product provides integration between the Digital DW Spectrum System and the C•CURE 9000 Security Management System.

Digital DW Spectrum® is a leading manufacturer of complete surveillance solutions, offering stunning image quality, advanced hardware capabilities, superior video management, reliable customer support and the lowest total cost of deployment for IP megapixel, Universal HD over Coax™ megapixel and legacy analog applications.

Digital DW Spectrum has developed a solid reputation for product performance, offering the market some of the most reliable and feature-rich products and applications.

The C•CURE IM provides video client components as well as a server component acting as a form of Windows service. It also provides live video streaming UI control supporting RTSP protocol. It is based on a default C•CURE video integration and provides the following features:

- Video Streaming Control
- DW Spectrum Video Server Editor
- DW Spectrum Video Camera Editor
- DW Spectrum Camera Viewer
- DW Spectrum Camera Bookmark Action Editor
- DW Spectrum Camera Generic Event Action Editor

Digital DW Spectrum Integration Objects

The C•CURE 9000 Digital DW Spectrum Integration product introduces the following object into the C•CURE 9000 database to facilitate the integration between Digital DW Spectrum and C•CURE 9000.

- Digital DW Spectrum Service – represented by REST service

Once the Digital DW Spectrum Service is properly configured in C•CURE, the following features are available:

- Video Streaming Control
- DW Spectrum Video Server Editor
- DW Spectrum Video Camera Editor
- DW Spectrum Camera Viewer
- DW Spectrum Camera Bookmark Action Editor
- DW Spectrum Camera Generic Event Action Editor

All features outlined above provide appropriate UI controls allowing the end-user to complete any configuration required.

Digital DW Spectrum Integration Utilization

The Digital DW Spectrum Integration can be used for Digital DW Spectrum credential management via synchronization with C•CURE personnel and credential objects.

Terminology

Table 1 lists some terms and definitions related to the C•CURE 9000 Digital DW Spectrum Integration Product.

Table 1: Digital DW Spectrum Integration Terminology Definitions

Term	Definition
DW Spectrum Camera	Represents the DW Spectrum video camera object
DW Spectrum Video Server	Represents the DW Spectrum video server instance
DW Spectrum IM	Represents the C•CURE 9000 integration driver
RTSP	The Real Time Streaming Protocol (RTSP) is a network control protocol designed for use in entertainment and communications systems to control streaming media servers . The protocol is used for establishing and controlling media sessions between end points. Clients of media servers issue VCR -style commands, such as play, record and pause, to facilitate real-time control of the media streaming from the server to a client (Video On Demand) or from a client to the server (Voice Recording).

C•CURE 9000 Configuration

The C•CURE 9000 Administration Workstation is used to configure C•CURE 9000 objects. You must configure the following objects in C•CURE 9000 for the Digital DW Spectrum Integration to function properly.

- Digital DW Spectrum Service

Licensing the Digital DW Spectrum Integration Product

The Digital DW Spectrum Integration product is a licensed option for a C•CURE 9000 Server. You must purchase the license to use the software.

Only the server is licensed. You can have as many client connections as C•CURE is licensed for.

When you access the C•CURE 9000 License application on your C•CURE 9000 server, you can see if your license includes the Digital DW Spectrum Integration product by running the C•CURE 9000 Licensing program (**Start>All Programs>Software House>C•CURE 9000>Licensing**) and clicking the Options tab. If the Digital DW Spectrum Integration product is selected, you have a valid license.

If you do not have a license for the Digital DW Spectrum Integration product, contact Software House to purchase a license.

Installation

This chapter explains how to install and uninstall the DW Spectrum Integration.

Installation Overview

C•CURE 9000 must be installed before you install the DW Spectrum Integration. For more information on how to install C•CURE 9000, see the *C•CURE 9000 Installation and Upgrade Guide*.

- The DW Spectrum Integration supports Windows 10/ Windows 2012 R2/Windows 2016/Windows 2019. The DW Spectrum Integration does not support MAS server installation except SAS and Standalone servers.
- The DW Spectrum Integration must be installed on every C•CURE 9000 server and client system.
- The DW Spectrum Integration has the same hardware, software, and disk space requirements as the C•CURE 9000; if the target computer can install C•CURE 9000, then it satisfies the DW Spectrum Integration requirements.

You need to perform the basic installation process described in the following pages on each computer in your C•CURE 9000 system.

[Table 1](#) provides an overview of the steps to install and register the DW Spectrum Integration on each C•CURE 9000 server and client system. Perform these steps in this order.



Please be advised that the DW Spectrum Integration installation will temporarily shut down and restart the C•CURE 9000 services. Therefore, the DW Spectrum Integration installation should be planned accordingly.

Table 1: Standard Installation Tasks

Task	See...
1. Install C•CURE 9000.	<i>C•CURE 9000 Installation and Upgrade Guide</i>
2. Close any applications and disable virus checking software.	
3. Perform the pre-installation steps.	Before You Begin
4. Start the C•CURE 9000 DW Spectrum Integration installation program.	Installation
5. Verify the license for the DW Spectrum Integration software by running the License program on your C•CURE 9000 server.	<i>C•CURE 9000 Installation and Upgrade Guide</i>
6. If you did not select to restart the C•CURE 9000 server services during the installation procedure, you must manually restart the C•CURE 9000 server services.	Starting the C•CURE 9000 Server Services
7. If you are using EMC Redundancy on a C•CURE 9000 Server, you must manually make changes to the TSP.Enterprise.DW Spectrum.Server.DriverService.exe.config file.	Installation

Before You Begin

You should perform the following pre-installation steps described below.

Pre-installation Steps

1. DW Spectrum Server must be installed and configured.
2. The ports configured in DW Spectrum must be enabled in the C•CURE 9000 server's firewall to allow the reception of DW Spectrum communication.
3. If you are installing C•CURE 9000 on a corporate network, be sure to coordinate with your corporate network administrator.
4. To perform the DW Spectrum Integration installation, you must have appropriate Windows permissions. You must be in the local Administrator group, or have equivalent privileges. See the Microsoft Operating System documentation or your system administrator for more information.
5. Appropriate TCP ports must be configured and opened for bidirectional communication. The following default ports must be opened: 7011.

Installation

The DW Spectrum Integration Installation Program is downloaded from the Connected Program section of the Member Center on the Software House web site. Once you download the DW Spectrum Integration Installation Program, you can run the installation program.

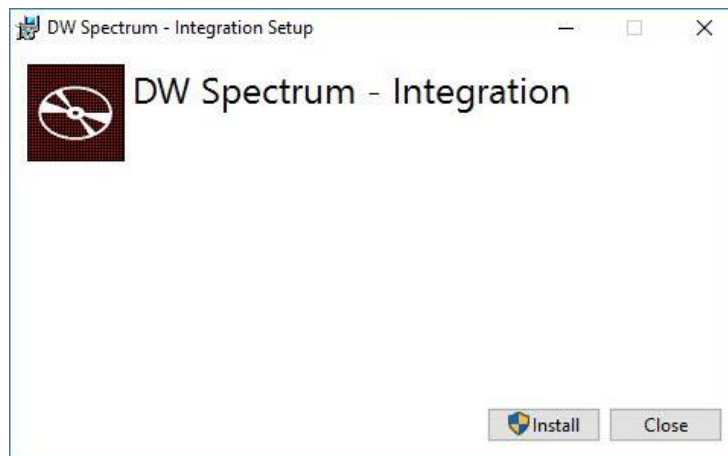


Please be advised that the DW Spectrum Integration installation will attempt to shut down the CrossFire services on a C•CURE server during the installation process. Therefore, the DW Spectrum Integration installation should be planned accordingly. If the installer fails to shutdown the CrossFire services you may need to stop the services manually to allow the installer to complete.

To Run the Installation Program

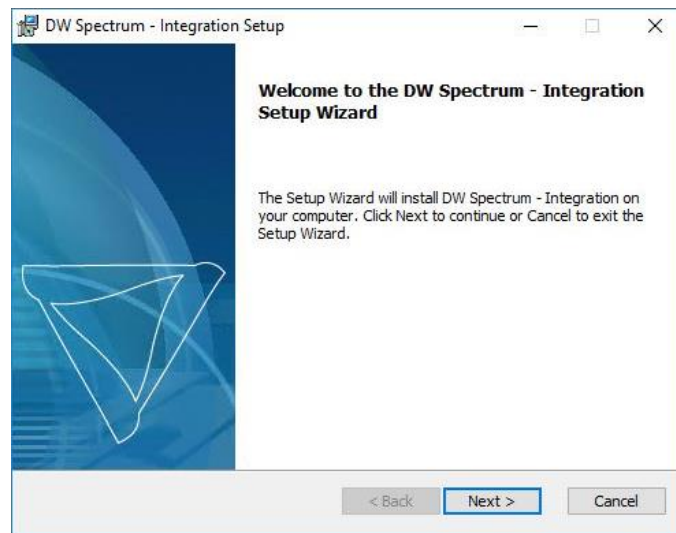
1. Copy **CCURE_DWSpectrum_IM.exe** file onto the local disk on the C•CURE server or client.
2. From your local disk run **CCURE_DW Spectrum_IM.exe** as **Administrator**.
3. The **Integration Setup** screen appears, shown in [Figure 1](#). Click **Install**.

Figure 1: Integration Setup

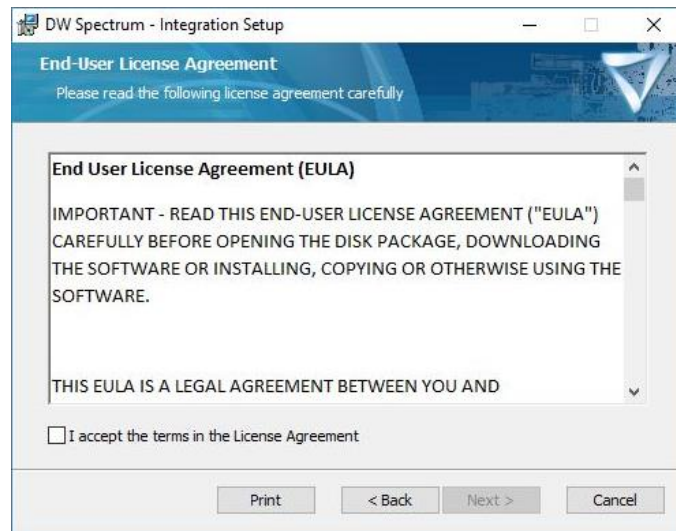


4. The **Integration Setup Wizard** opens, shown in [Figure 2](#). Click **Next** to continue.

Figure 2: Integration setup Wizard

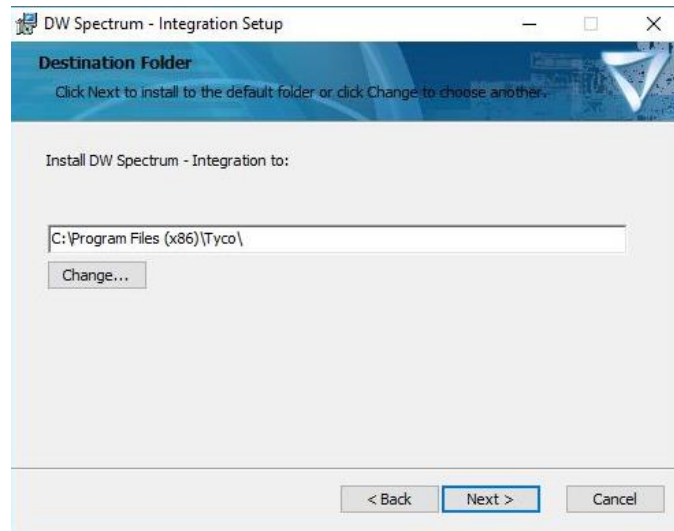


5. The **End User License Agreement** appears, shown in [Figure 3](#). Check the checkbox to agree with the terms in the license agreement and click **Next**.



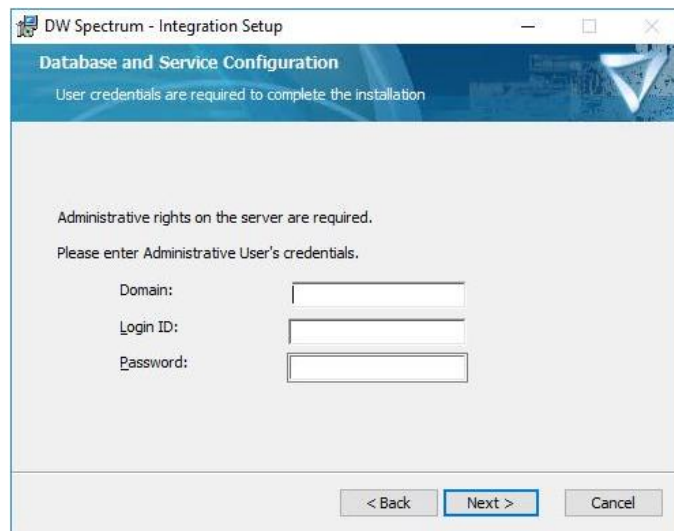
6. The **Destination Folder** screen appears, shown in [Figure 4](#). Click **Next** to select the default folder or specify the folder you wish to install to.

Figure 4: Destination Folder



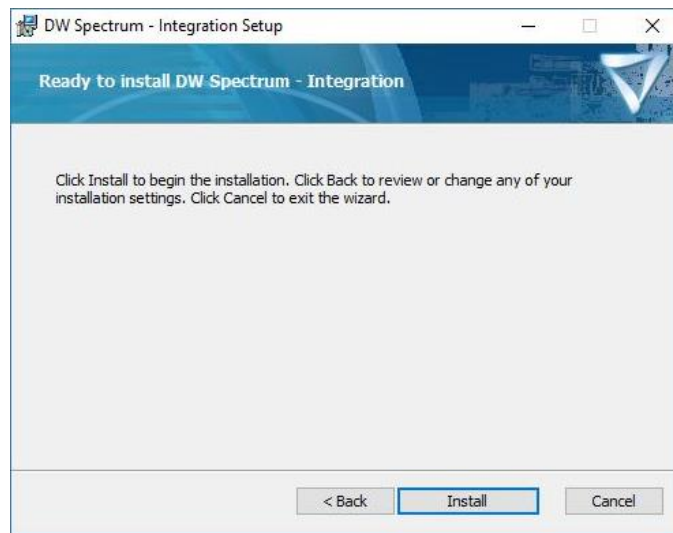
7. If the C•CURE server is on a domain, you will be prompted for Administrative credentials, see [Figure 5](#). Enter Administrator's credentials for the server and click **Next**.

Figure 5: User Credentials



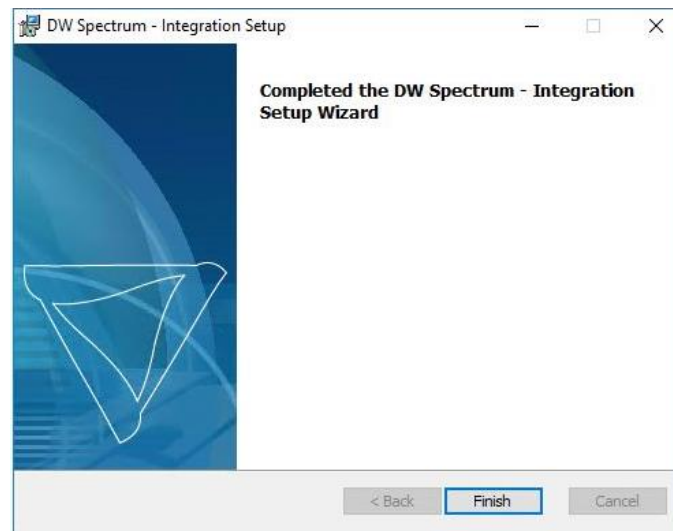
8. The **Ready to Install** screen appears, shown in [Figure 6](#). Click **Install**. The integration is installed.

Figure 6: Ready to Install



9. Click **Finish** to close the installer.

Figure 7: Installation complete



Starting the C•CURE 9000 Server Services

Prior to configuring a DW Spectrum integration object, the CrossFire Framework Service, CrossFire Server Component Framework Service must be running.

To Start C•CURE 9000 Server Services

1. From the Start Menu, select **Start>All Programs>Tyco>Server Configuration**. Right-click on Server Configuration and select Run as administrator. The C•CURE 9000 Server Management Application opens.
2. Click the **Services** tab.
3. The Status is displayed as "Stopped" for the **CrossFire Framework Service** under Framework Services, click **Start**.
4. The Status is displayed as "Stopped" for the **CrossFire Server Component Framework Service** under Framework Services, click **Start**.
5. After the CrossFire Framework Service and CrossFire Server Component Service display a status of "Running", click the **Server Components** tab.

When the CrossFire Framework Service, CrossFire Server and Component Framework Service display a Status of "Running", you can configure DW Spectrum objects in the C•CURE 9000. You only have to enable these services once.

Uninstalling the DW Spectrum Integration

This section describes how to uninstall the DW Spectrum integration from the Server computer and Client computers in your security system.

The Uninstall process removes all software components that were installed on the computer by the DW Spectrum Integration installation.



Please be advised that the DW Spectrum Integration uninstall will temporarily shut down and restart the C•CURE 9000 services. Therefore, the DW Spectrum Integration uninstall should be planned accordingly.

NOTE Uninstalling this integration does not automatically remove database DW Spectrum specific objects

To Uninstall the DW Spectrum Integration

1. From the Windows Start menu, select **Control Panel>Programs and Features**.
2. In the list, click on **DW Spectrum – CCURE - Integration** to highlight it.
3. Click the **Uninstall** button above the list.
4. Press **OK** to stop all **Tyco** services automatically.

3

C•CURE Video Tree

This chapter explains how to use the DW Spectrum integration within the C•CURE 9000 Video Tree Pane.

Video Tree Pane

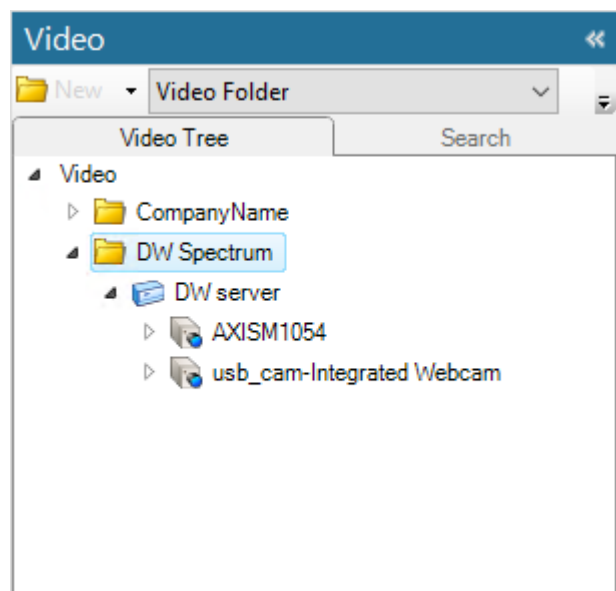
The Video Tree is an objects container facilitating objects display, management, and navigation of hierarchical data structures. For the DW Spectrum integration, the DW Spectrum Server, along with associated camera objects appear in the tree.

The framework allows integrators to configure and incorporate other objects but these objects do not appear in the hardware tree. These objects are as follows:

- DW Spectrum Server object – Represents the DW Spectrum video server.
NOTE: Multiple DW Spectrum Server objects are supported.
- DW Spectrum camera – Represents the DW Spectrum camera.

Figure 8 shows the Video Tree.

Figure 8: Video Tree



C•CURE DW Spectrum Server

This chapter explains how to configure the DW Spectrum Server in C•CURE 9000.

DW Spectrum Server Overview

The Server object represents the connection to the DW Spectrum video server.

The Server Object is configured using the DW Spectrum Server option available in the Video tree pane.

DW Spectrum Server Tabs

The DW Spectrum Server pane consists of four tabs:

- [General Tab](#)
- [Alarms](#)
- [User Defined Fields](#)
- [State images](#)

Accessing DW Spectrum Server object

This section explains how to access DW Spectrum Server objects.

To Access the DW Spectrum Server object

- In the **Video** pane of the Administration Workstation, select **New**, and then create **DW Spectrum** folder.
- Right click and select **DW Spectrum Server** from the context menu.

Creating DW Spectrum Server Object

This section describes how to create a DW Spectrum Server Object.

To Create DW Spectrum Server

- In the **Video** pane of the Administration Workstation, right click **DW Spectrum** folder and then right click on the DW Spectrum Server folder.
- Select **New**
- Configure the following settings:

<u>Option name</u>	<u>Details</u>
User Name	DW Spectrum server user name
Password	DW Spectrum server user password
IP Address	DW Spectrum server IP Address
Secure Connection	This checkbox enables a secure connection to DW Server
Cameras from this server only	If enabled, only cameras directly connected to the server will be synced to C•CURE. Disabling will also sync all cameras from merged DW systems
Communication Port	DW Spectrum server TCP port

Connect	Allows establishing server connection.
Import Cameras	Allows importing camera objects associated with the server instance. Connection must be established prior to camera objects discovery.

- Complete the configuration by pressing **Save/Save And Close** button.

NOTE

Once a DW Server object is saved, the **Cameras from this server only** checkbox becomes read-only. To change this configuration, you will need to delete and re-add the DW Server to C•CURE.

Deleting DW Spectrum Object

This section describes how to delete a DW Spectrum Object.



Please be advised that deleting DW Spectrum objects won't affect linked objects such as: C•CURE events or C•CURE journal messages. Even though the DW Spectrum object is not present anymore C•CURE objects remain in place so the C•CURE operator still possesses a look into historical data and events.

To Delete DW Spectrum Server Object

- In the **Video Pane** of the Administration Workstation, select **DW Spectrum** folder and then respectively the **DW Spectrum Server** found in the **DW Spectrum Server Object** folder.
- Right click and select **Delete** from the context menu.
- Confirm the delete operation by pressing the **Yes** button.
- In the next window press the **OK** button.

General Tab

The General Tab enables the user to view basic information about the DW Spectrum server object.

Figure 10: GeneralTab

The screenshot shows a software window titled "DW Spectrum Server - DW". At the top, there are "Save and Close" and "Save and New" icons. Below these are input fields for "Name" (containing "DW") and "Description". A checkbox labeled "Enabled" is checked. Below this is a tabbed interface with four tabs: "General", "Alarms", "User Defined Fields", and "State images". The "General" tab is active and contains two main sections: "Server ID" and "Server Info". The "Server ID" section includes a "Video Protocol" dropdown set to "DW Spectrum", a "Time Zone" dropdown, and an "Import Cameras" button. There are also "Online" and "Connect" checkboxes. The "Server Info" section includes a "Communication Port" dropdown set to "7011", a "User Name" field with "admin", a "Password" field with masked characters, a "Re-enter Password" field with masked characters, an "IP Address" field with "192.168.171.104", and two checked checkboxes: "Secure Connection" and "Cameras from this server only".

General Tab Definitions

Table 2 shows the fields and buttons’ definitions on the General Tab.

Table 2: General Tab Definitions

Term	Definition
Time Zone	Not in use
Communication Port	DW Spectrum TCP port (default: 7011)
User Name	DW Spectrum user name
Password	DW Spectrum user password

IP Address	DW Spectrum IP Address
Secure Connection	This checkbox enables a secure connection to DW Server
Cameras from this server only	If enabled, only cameras directly connected to the server will be synced to C•CURE. Disabling will also sync all cameras from merged DW systems

Alarms Tab

The Alarms tab is used to configure actions generated in DW Spectrum to trigger events in C•CURE.

Configuring Alarms Tab

To configure DW Spectrum to trigger an event in C•CURE, click the **Add** button. Set **Property** and **Value**, and click the drop down button beside **Action** to activate or deactivate an event in C•CURE. When an action is selected, choose what event to activate/deactivate from the **Event** selection below. The **Remove** option will delete any triggers selected.

Figure 11: Alarms tab

The screenshot shows the 'DW Spectrum Server - DW server' window. At the top, there are 'Save and Close' and 'Save and New' buttons. Below these are input fields for 'Name: DW server' and 'Description:'. A checkbox labeled 'Enabled' is checked. The 'Alarms' tab is selected, showing a table with columns: Property, Value, Action, Details, and Schedule. The table contains one entry: 'Video Server Alarm' with 'Offline' as the value, 'Activate Event' as the action, and 'Always' as the schedule. Below the table is an 'Event' dropdown menu showing 'DW Server Offline'.

Table 3: Alarms tab definitions

Term	Definition
Property	Specifies DW Spectrum property.
Value	Specifies property value.
Action	Action to be taken when property gets changed.
Details	C•CURE event name.

User Defined Fields Tab

There are no User Defined Fields in this integration.

State Images Tab

The State Images tab shows the default images for different hardware states in DW Spectrum. These images can be customized with any .JPG file.

Customizing State Images

In the **State Images** tab, double click the image you wish to customize. Select a file from the pop up Window, or browse your system for images you may have saved.

Figure 12: State Images Tab

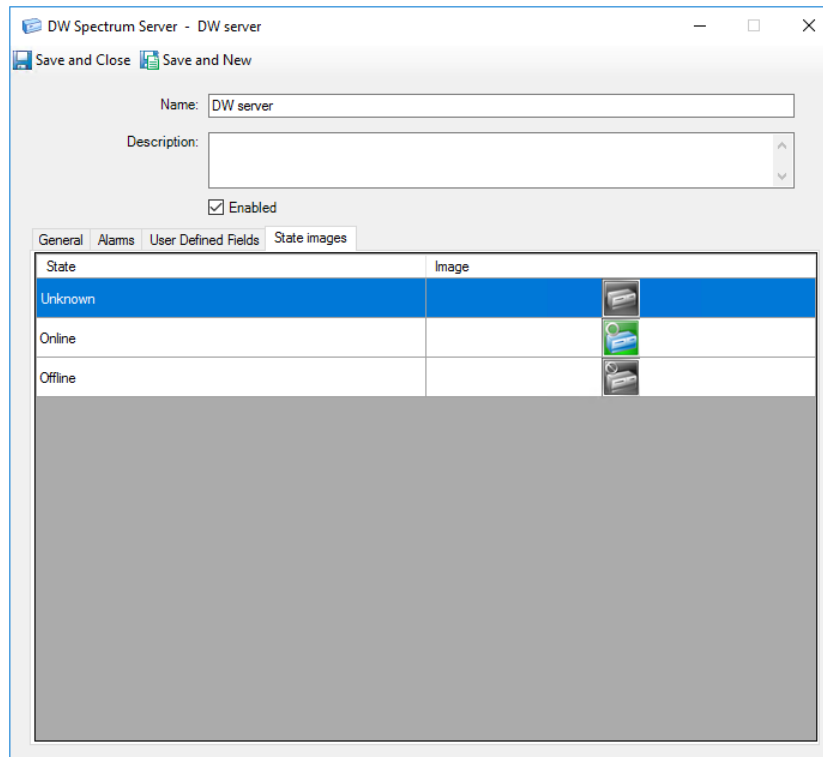
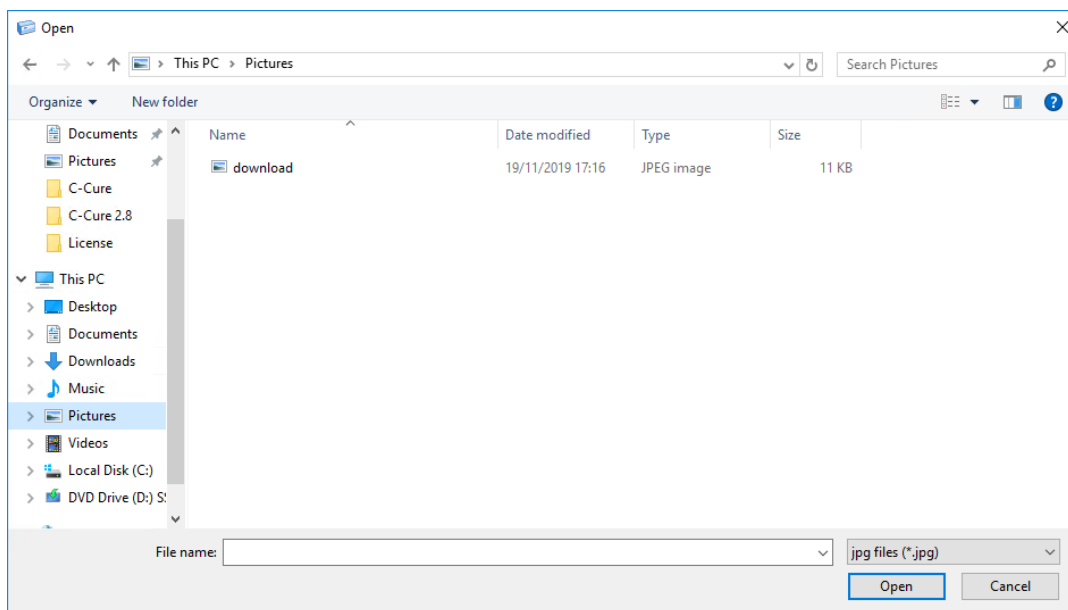


Figure 13: Customize State Images



C•CURE DW Spectrum Cameras

This chapter explains how to configure DW Spectrum Cameras in C•CURE 9000.

DW Spectrum Camera Overview

The Camera object represents a connection to a DW Spectrum video camera.

Cameras are configured using the DW Spectrum Camera option available in the Video tree pane.

DW Spectrum Camera Tabs

The DW Spectrum Camera pane consists of four tabs:

- [General Tab](#)
- [Alarms](#)
- [User Defined Fields](#)
- [State images](#)

Accessing DW Spectrum Camera objects

This section explains how to access DW Spectrum Camera objects.

To Access a DW Spectrum Camera object

- Expand the **DW Spectrum Server** from the context menu then right click and select **DW Spectrum Camera**.

Creating DW Spectrum Camera Object

There is no option to manually create a DW camera in C•CURE.

Deleting DW Spectrum Camera

This section describes how to delete a DW Spectrum Camera Object.



Please be advised that deleting DW Spectrum objects won't affect linked objects such as: C•CURE events or C•CURE journal messages. Even though the DW Spectrum object is not present anymore C•CURE objects remain in place so the C•CURE operator still possesses a look into historical data and events.

To Delete DW Spectrum Camera Object

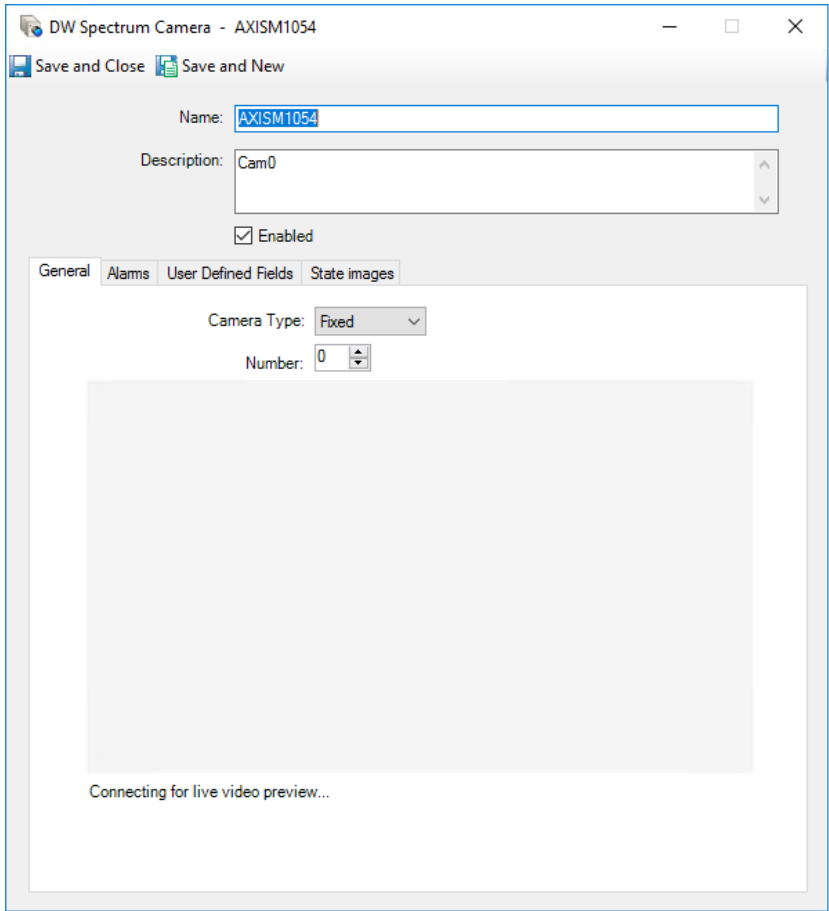
- In the **Video Pane** of the Administration Workstation, select the **DW Spectrum** folder and then respectively **DW Spectrum Server** based under **DW Spectrum Server Object** folder.
- Select **DW Spectrum Server**

- Right click and Select **DW Spectrum Camera Delete** from the context menu.
- Confirm delete operation by pressing **Yes** button
- In the next window press **OK** button.

General Tab

The General Tab enables the user to view basic information about the DW Spectrum camera object.

Figure 14: GeneralTab



General Tab Definitions

Table 2 provides fields and buttons definitions on the General Tab.

Table 2: General Tab Definitions

Term	Definition
Camera Type	Camera type
Number	Camera ID (must be unique)

Alarms Tab

The Alarms tab is used to configure actions generated in DW Spectrum to trigger events in C•CURE.

Configuring Alarms Tab

To configure DW Spectrum to trigger an event in C•CURE, click the **Add** button. Set **Property** and **Value**, and click the drop down button beside **Action** to activate or deactivate an event in C•CURE. When an action is selected, choose what event to activate/deactivate from the **Event** selection below. The **Remove** option will delete any triggers selected.

Figure 15: Alarms tab

DW Spectrum Camera - AXISM1054

Save and Close

Save and New

Name:

AXISM1054

Description:

Cam0

☒ Enabled

General

Alarms

User Defined Fields

State images

Add

Remove

Property	Value	Action	Details	Schedule
Videoloss	<input checked="" type="checkbox"/>	Activate Event		Always

Event:

DW Videoloss

...

Table 3: Alarms tab definitions

Term	Definition
Property	Specifies DW Spectrum property.
Value	Specifies property value.
Action	Action to be taken when property is changed.
Details	C•CURE event name.

User Defined Fields Tab

There are no User Defined Fields in this integration.

State Images Tab

The State Images tab shows the default images for different hardware states in DW Spectrum. These images can be customized with any .JPG file.

Customizing State Images

In the **State Images** tab, double click the image you wish to customize. Select a file from the pop up Window, or browse your system for images you may have saved.

Figure 16: State Images Tab

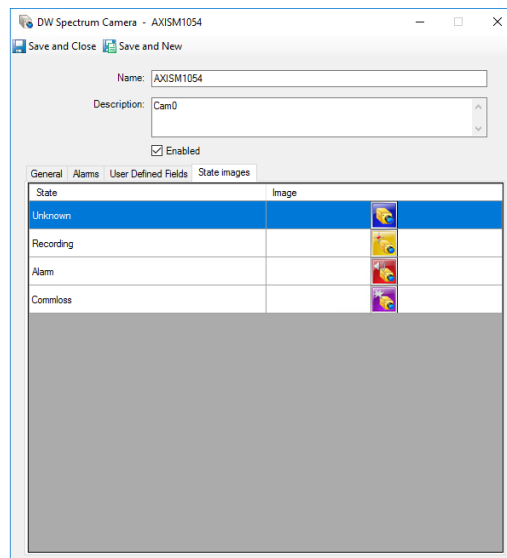
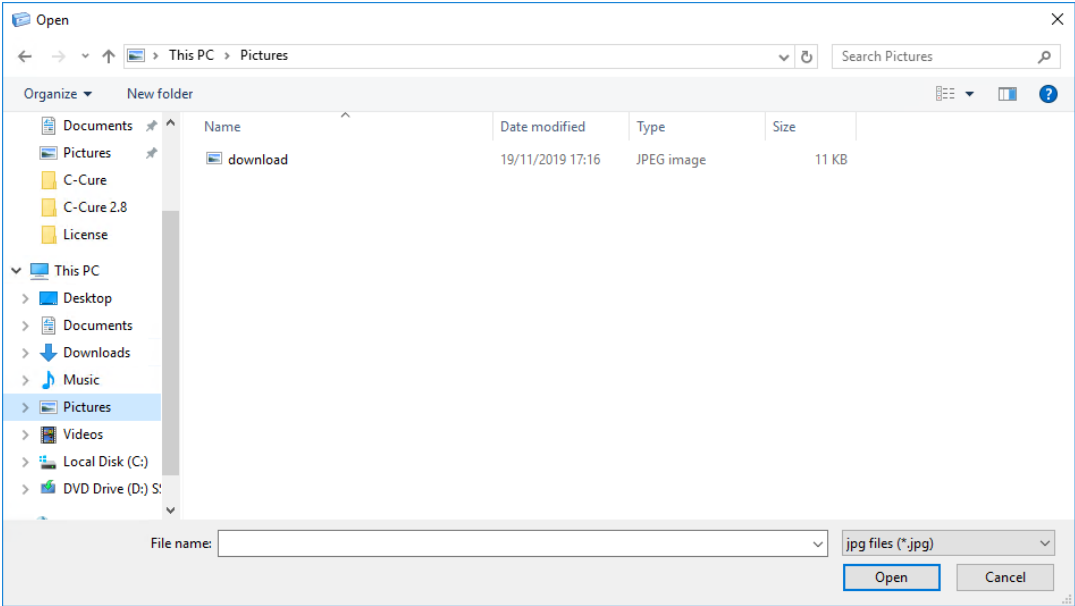


Figure 17: Customize State Images



C•CURE 9000 Video Camera Viewer

This chapter explains DW Spectrum video camera viewer features

Video Camera Viewer

The camera viewer is the user control that supports viewing both live and recorded video. It is also used for viewing video tours.

Toolbars

There are two toolbars that are shown in the viewer: One toolbar has common video functions and the other one encapsulates PTZ functions.

Video Functions (non PTZ)



- This method is used to take a snapshot of the currently displayed video.



- This method is used to toggle between live video and recorded video. When the mode is set to recorded, the recorded video controls are shown on the bottom of the control. The following are the overrides used in this mode:

Time Range - Set video time frame.

Play - Plays video playback.

Stop - Stops video playback

Pause - Pauses video playback

Record Video Track - The user control supports a track bar to allow the user to navigate through the recorded video timeline.

Rate - The user can change the rate of recorded video playback by using the supplied combo box.

Video Functions (PTZ)

Presets - The list of presets supported by the video camera.



- Moves camera view up



- Moves camera view down



- Moves camera view left



- Moves camera view right



- Zooms in



- Zooms out

C•CURE 9000 Event Actions

This chapter explains DW Spectrum event custom actions

Actions Overview

Actions are triggered by events, which make actions very powerful since these events may be triggered by many conditions and may themselves invoke other actions. When an event is configured, the user has the ability to configure the actions the event is going to trigger when activated. Currently the DW Spectrum integration provides the following actions:

- DW Spectrum Bookmark Camera
- DW Spectrum Generic Event

Configuring Actions

As illustrated below users are enabled to configure C•CURE event actions by providing appropriate values for the DW Spectrum Server along with a DW Spectrum Camera.

Figure 18: Event Actions

Event - DW Bookmark

Save and Close

Save and New

Create Copy

Name: DW Bookmark

Description:

☒ Enabled

☐ Maintenance Mode

General

Acknowledgement

Overdue

Messages

Action

Assess Configuration

Predefined Log Messages

Groups

User Def

Add

Remove

Action	Details	Resettable
DW Spectrum Bookmark Camera	AXISM1054	<input type="checkbox"/>

DW Spectrum Server:

DW server

...

DW Spectrum Camera:

AXISM1054

...

C•CURE 9000 Event and Camera Live Video Association

This chapter explains DW Spectrum events and live video associations

Event Assess Overview

If the Monitoring Station Application Layout displays an Assess Event button, a selected Event that includes Assess Event information can be assessed by pressing this button. The capabilities available when assessing an Event are determined by the Application Layout(s) an Operator can access in the Monitoring Station. These can include:

- Live video related to the Event.
- Recorded video related to the Event.

Configuring Assess

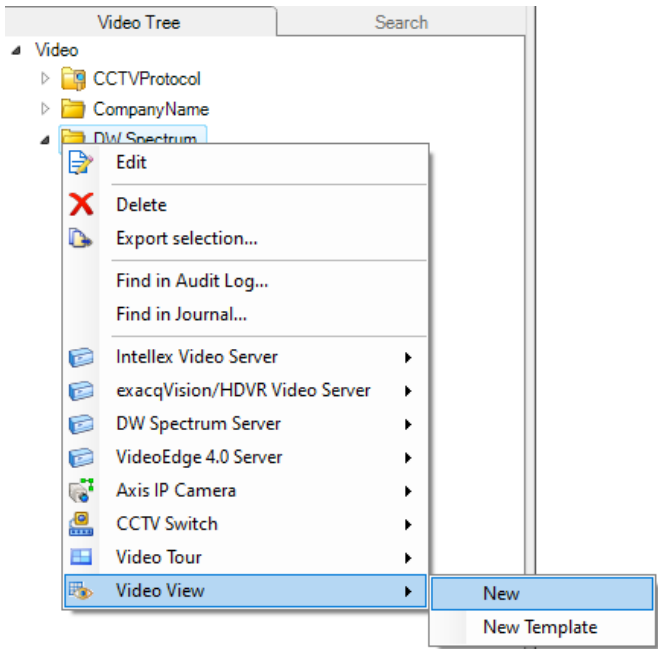
Event assessment is configured using the Administration client application by creating an Application Layout designed to assess Events, then configuring the Events you plan to assess with the viewers that you placed on the Assess Event Application Layout. More details can be found in the C•CURE 9000 user guide.

Live Video Viewer

The Live Video viewer shows a live video view of a camera that is associated with the event. The view that is shown is the Video View object that was configured in the Event. [Figure 19](#) shows the Live Video Viewer. The camera controls for the Live Video Viewer are visible if you hover the mouse pointer at the top of a video pane and hidden if you move the cursor away.

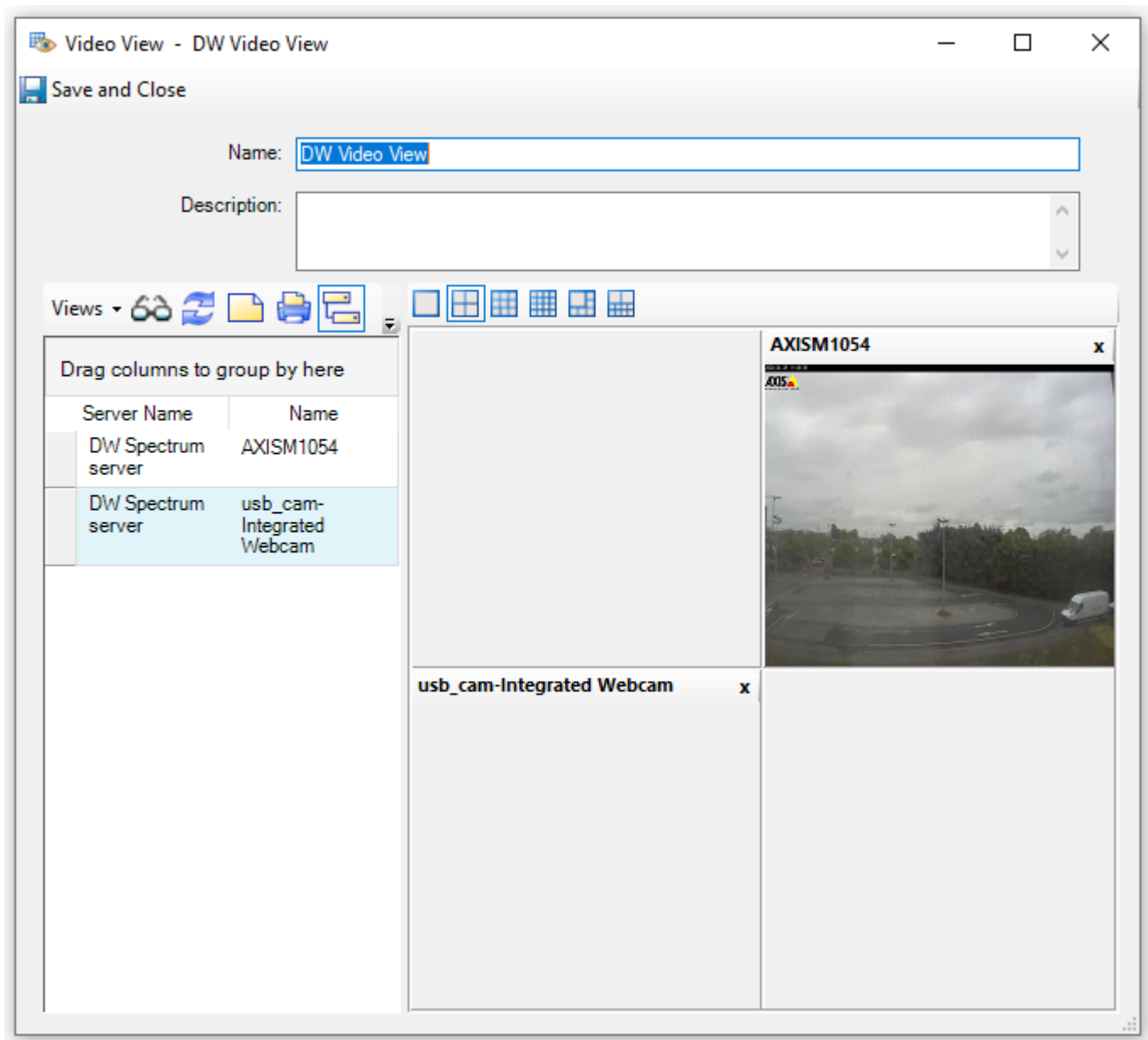
The Live Video Viewer can be created as shown below:

• **Figure 19:** Create Video View



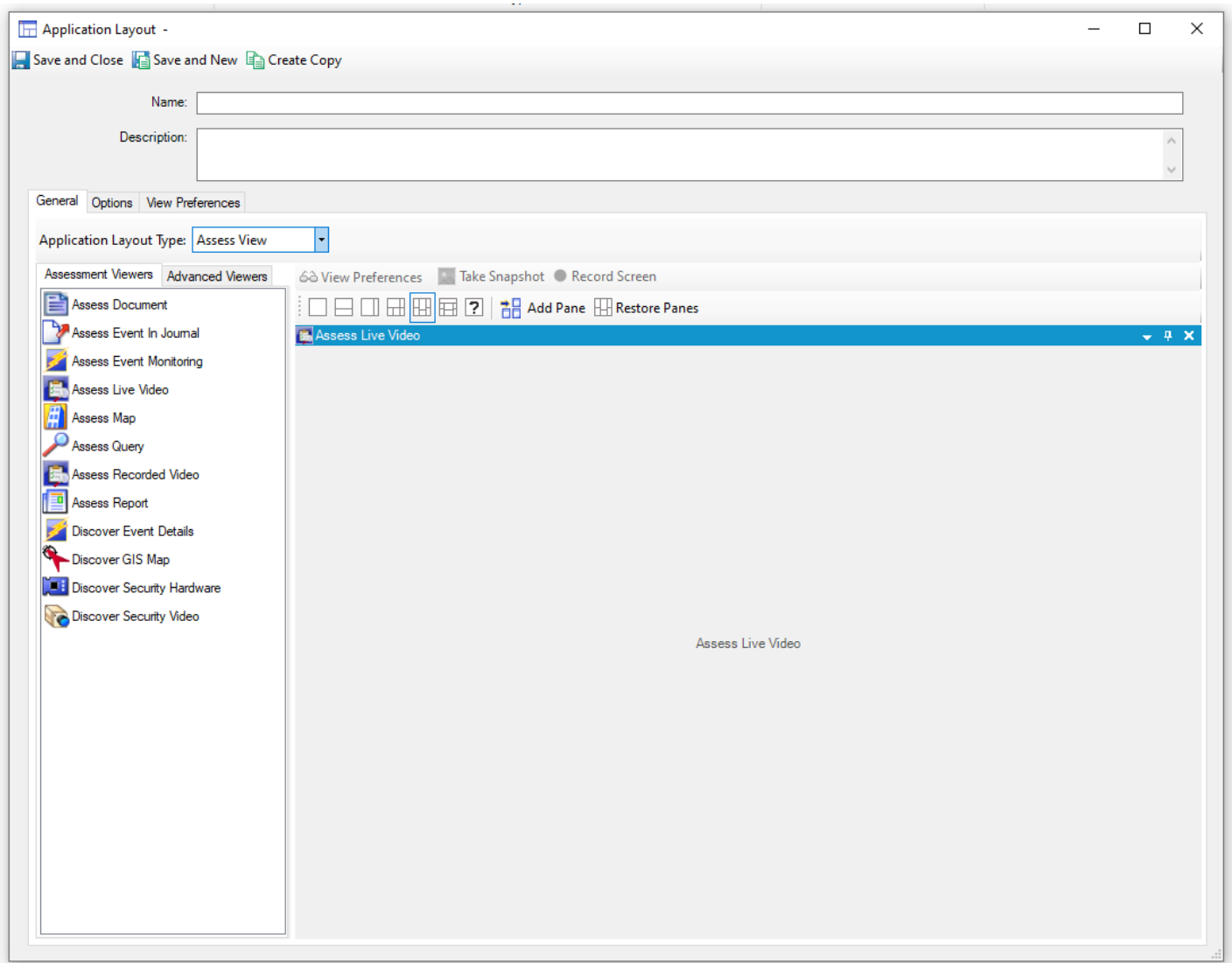
1. Select matrix style and add camera/s to the viewer by dragging a camera onto the right-hand side. Save the view.

- **Figure 19:** Live Video Viewer Editor



2. Go to the **Data View** Pane and create a new Application Layout. Select **Assess View** and remove any unwanted panes as shown in [Figure 20](#).

- **Figure 20:** Application Layout Editor



3. Drag **Assess Live Video** or **Assess Recorded Video** onto the pane as desired. Save the view.
4. Now go to the **Configuration** pane and select the event definition to be edited.
5. Edit event and go to **Assess Configuration** Tab.
6. Set Assess Layout created in step 3.
7. In Assessment Properties section add the Video View created in step 1.

- **Figure 21:** Event Configuration Editor

The screenshot shows the 'Event Configuration Editor' window for an event named 'DW Generic'. The window has a title bar with standard minimize, maximize, and close buttons. Below the title bar are three buttons: 'Save and Close', 'Save and New', and 'Create Copy'. The main form contains the following fields and controls:

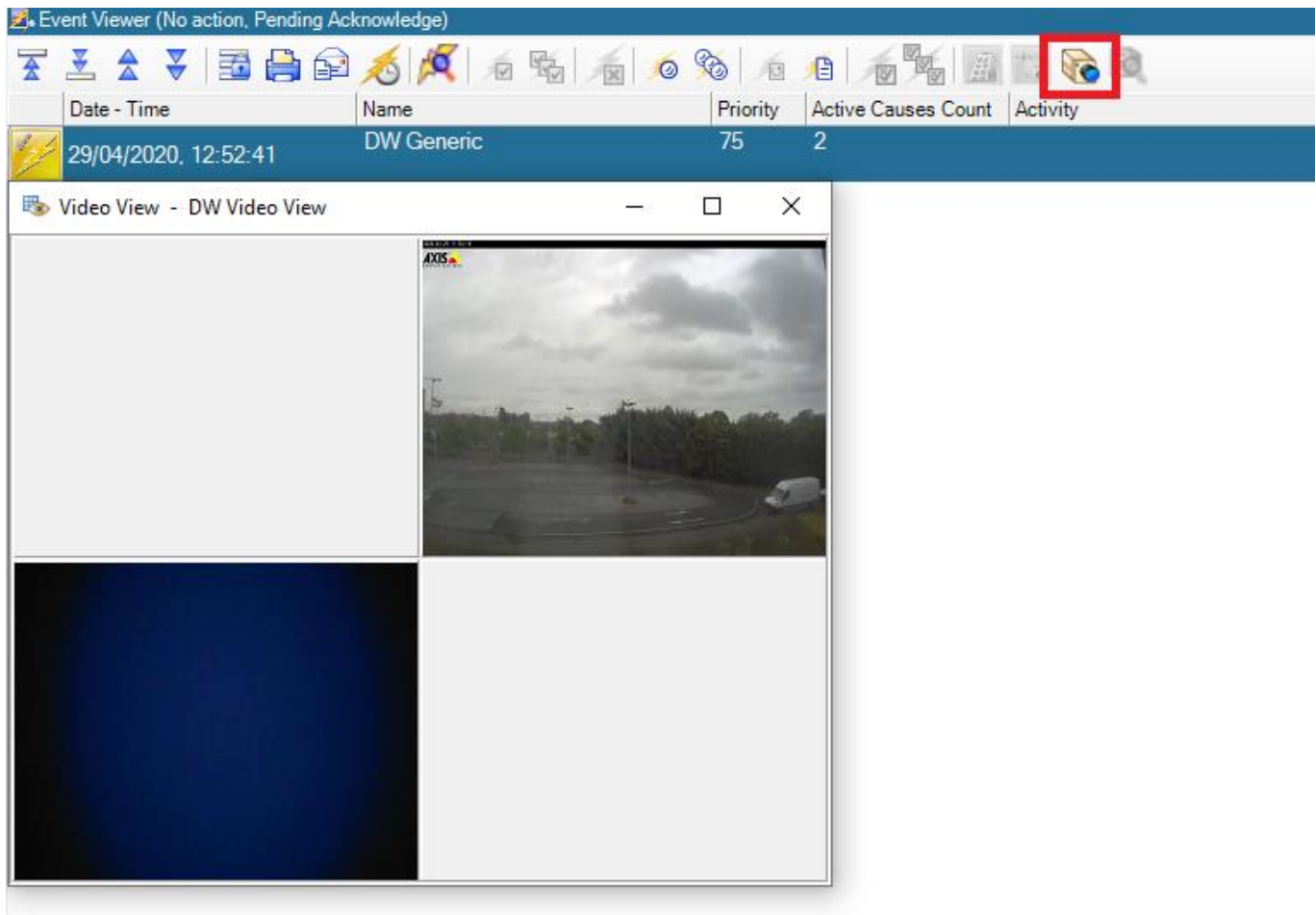
- Name:** A text field containing 'DW Generic'.
- Description:** A large text area.
- Enabled:** A checked checkbox.
- Maintenance Mode:** An unchecked checkbox.
- Tabs:** A series of tabs at the bottom of the form: 'General', 'Acknowledgement', 'Overdue', 'Messages', 'Action', 'Assess Configuration' (which is the active tab), 'Predefined Log Messages', 'Groups', and 'User Def'.
- Select Application Layout for Assess Event:** A dropdown menu currently showing 'DW Video Assess'.
- Assessment Parameters:** A section containing an 'Add' button, a 'Remove' button, and a table.

	Edit	Parameter Type	Parameter Value
▶	...	Video View	DW Video View

8. Configuration is completed

Operators are now enabled to open the camera viewer when a new event of the configured type comes into Event Viewer.

▪ **Figure 22:** Event Viewer



C•CURE 9000 Alerts and Journaling System

This chapter explains DW Spectrum alerts handling by the C•CURE 9000 Journaling System

Journaling Overview

DW Spectrum server connection alerts detected in the integration are generated as C•CURE 9000 Journal messages.

C•CURE 9000 Journal messages may be monitored and respectively handled by the operator in the Activity Monitor window of the Monitoring Station. Depending on requirements users are also enabled to setup respective triggers/actions to be taken once a DW Spectrum alert is triggered. This means C•CURE alerts may be raised accordingly.

Accessing Event Viewer and Activity Monitor

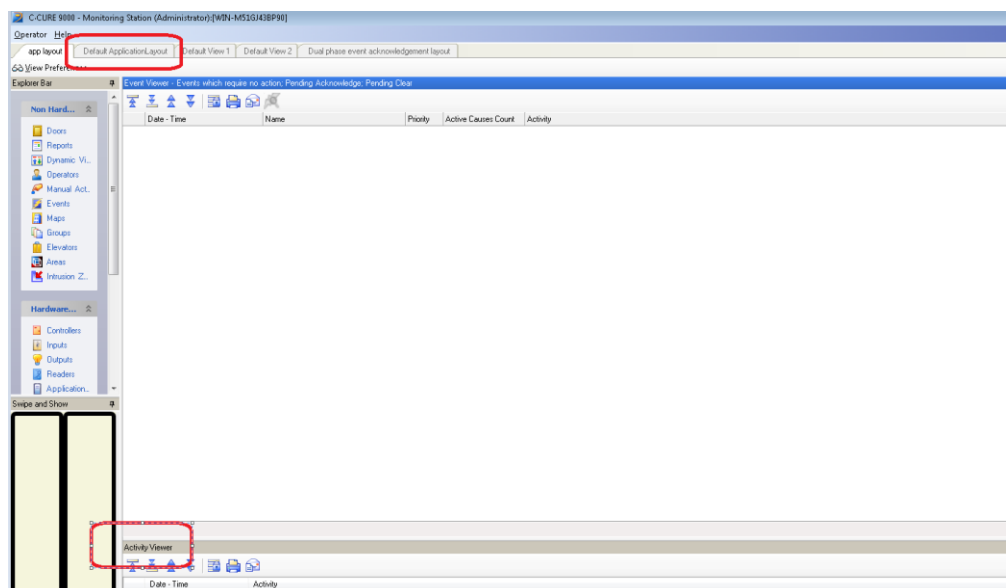
This section describes how access Event Viewer and Activity Monitor in Monitoring Station

To Access Activity Monitor

- Login to Monitoring Station
- At the top of the Window select one of the available Application Layouts tabs (default: Default Application Layout)
- Select “Dual phase event acknowledgement layout” to have all available views in place.

Figure 23 shows the Event Viewer along with Activity Monitor window

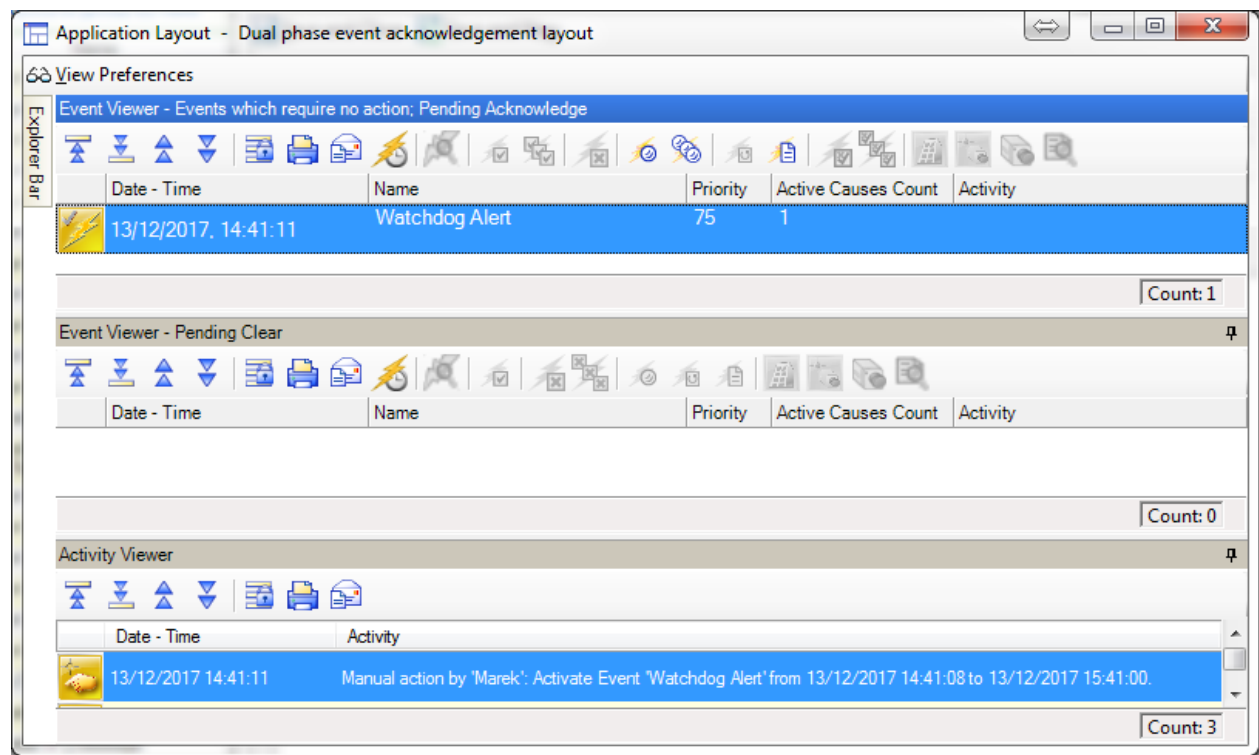
- **Figure 23:** Activity Monitor



Interpreting Journal Messages

Each journal message provides information enabling users to identify the DW Spectrum system. It also provides details about the C•CURE 9000 object that owns the journal message. Information about the corresponding object is accessed by double-clicking on the message header (see [Figure 24](#)). Alternatively users may popup details by right clicking on a message and selecting the **Edit** option from context menu.

• **Figure 24:** Journal message details



Troubleshooting the DW Spectrum Integration

This chapter explains how to troubleshoot any issues with the DW Spectrum Integration

Issue	Troubleshooting steps
DW Spectrum Offline in C•CURE	<ul style="list-style-type: none"> • Check all server authentication credentials are correct in the DW Spectrum server object • Check that you have access to the DW Spectrum server • Check Secure Connection settings on the DW Server • Check Windows Event Viewer for any DW Spectrum Integration errors on the C•CURE server