

SILENT SENTINEL ARE SPECIALISTS IN LONG RANGE OPTICAL
SENSORS INCLUDING BOTH COOLED AND UNCOOLED THERMAL
CAMERAS

FIXED MODUM – LAPTOP CONFIGURATION GUIDE

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Date: 19/08/2020



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This manual is used as a guide. The photos, graphics, diagrams, and illustrations provided in the manual are only used for explanation, which may be different from the specific product. Please refer to the actual product. We try our best to make sure all the contents in this manual are accurate. We do not provide any representations or warranties in this manual.

If you need the latest version of this manual, please contact us. Silent Sentinel recommends that you use this manual under the guidance of professionals.

Version Control

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Prerequisites

Please refer to the help desk to ensure you have the latest version of the software applications and user guides;

<https://silentsentinelhelp.helpdocs.com/fixed-modum>

Configuring the Laptop

Network Configuration

In order to connect to the MODUM camera the Laptop / Desktop must have an IP address in the same subnet as the MODUM Camera. The default values for the cameras are as follows;

Thermal:

- IP Address: 192.168.1.101
- Subnet Mast: 255.255.255.0
- Default Gateway: 192.168.1.1

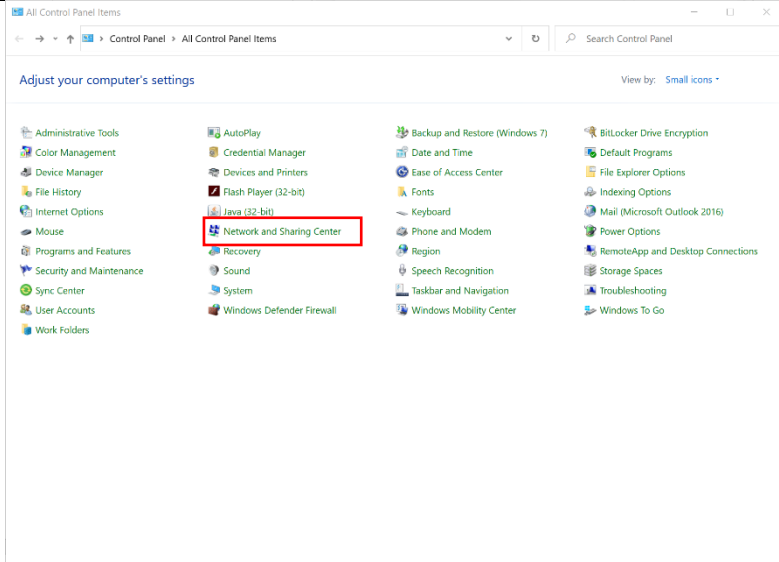
Daylight:

- IP Address: 192.168.1.100
- Subnet Mast: 255.255.255.0
- Default Gateway: 192.168.1.1

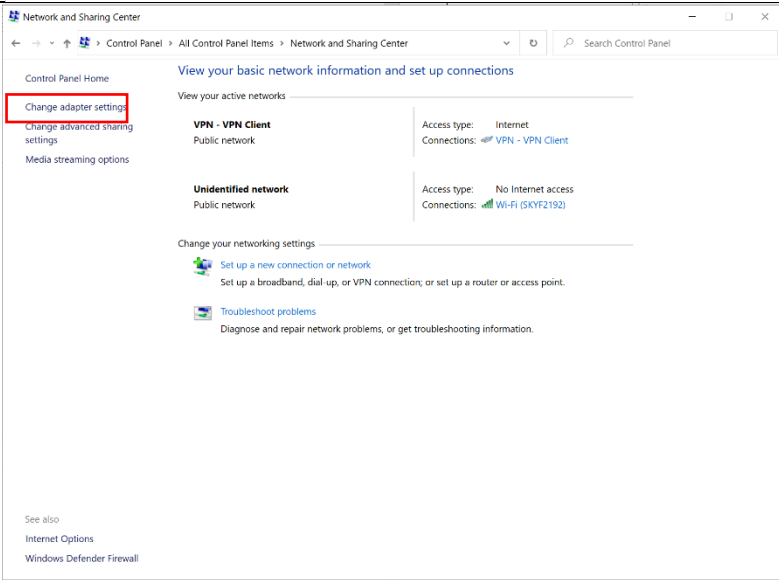
Setting Laptop IP Address;

<p>Select the Start Button and Type 'Control Panel'.</p>	<p>The screenshot shows a Windows search window with 'control panel' entered in the search bar. The search results are displayed in a list on the left, with 'Control Panel' (App) highlighted in a red box. Below the list, there are sections for 'Search the web' and 'Settings (3)'. On the right side of the search window, a preview of the Control Panel app is shown, including an 'Open' button and a 'Recent' list with items like 'Network and Sharing Center', 'Devices and Printers', 'Power Options', 'Recovery', and 'Device Manager'.</p>
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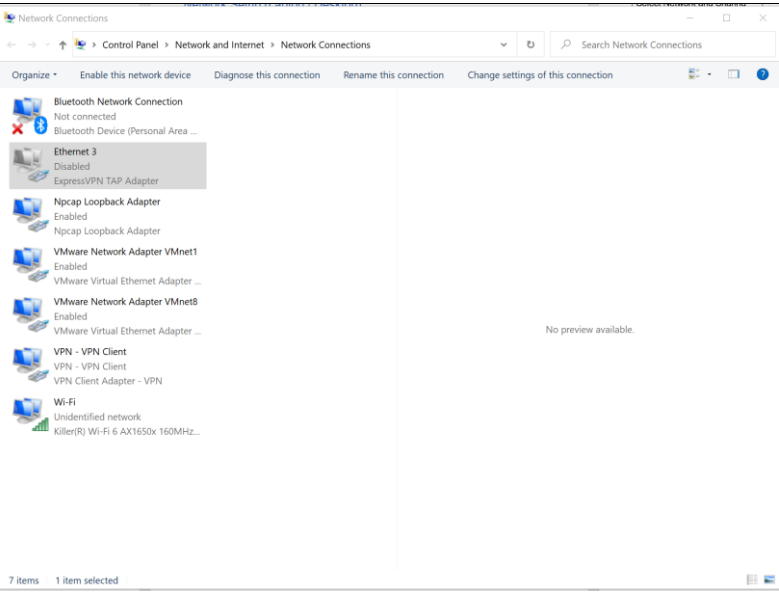
Select Network and Sharing Center.



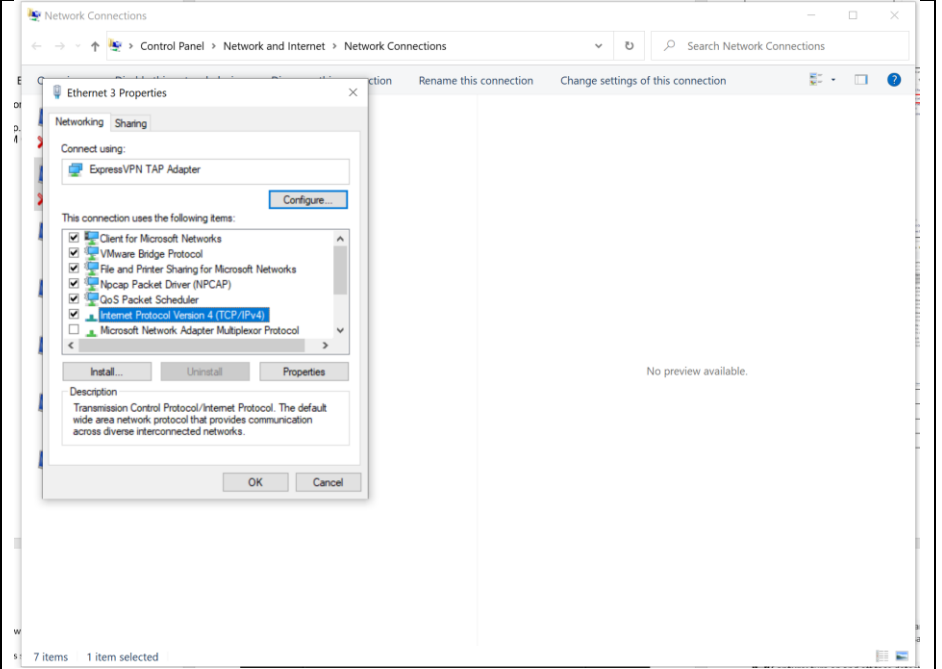
Select Adapter Options.



Double Click on the relevant network adapter.



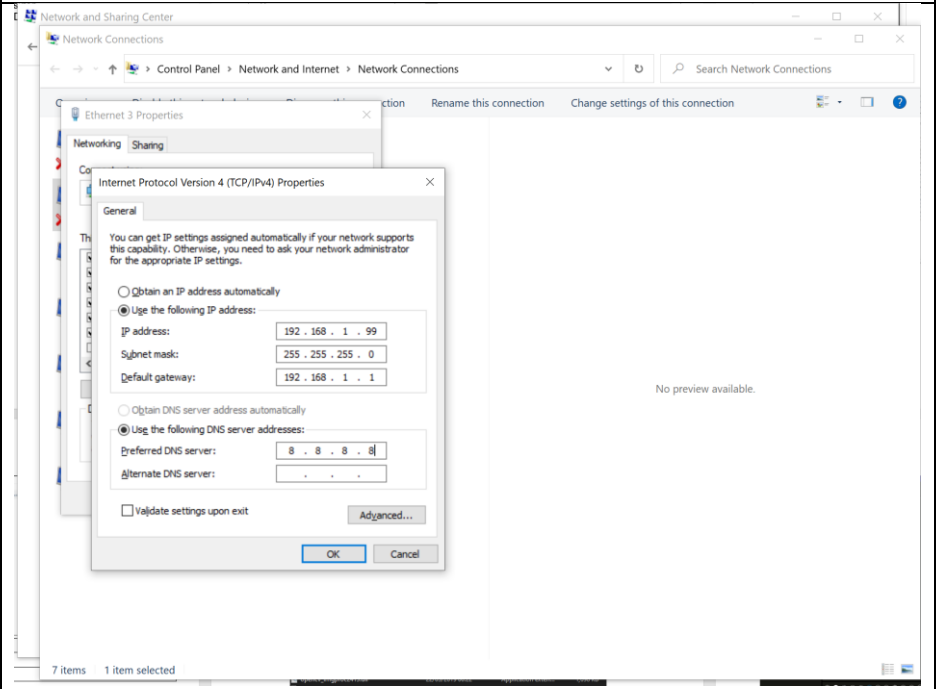
Double Click on 'Internet Protocol Version 4 (TCP/IPv4).



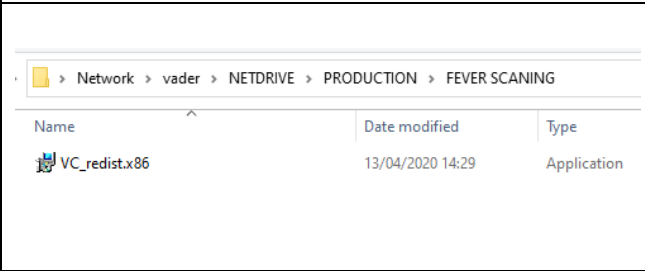
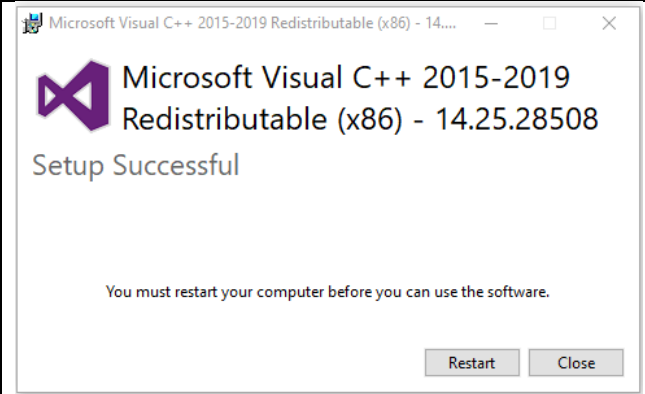
Select the radio button named 'Use the following IP address'.

Enter the information shown in the image to the right.

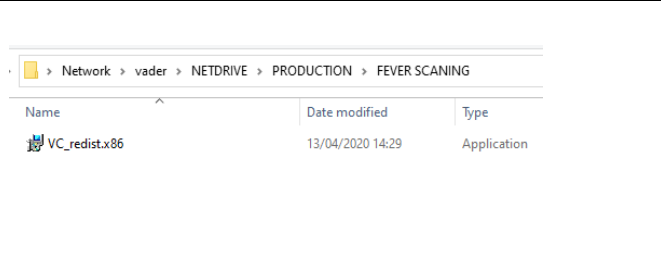
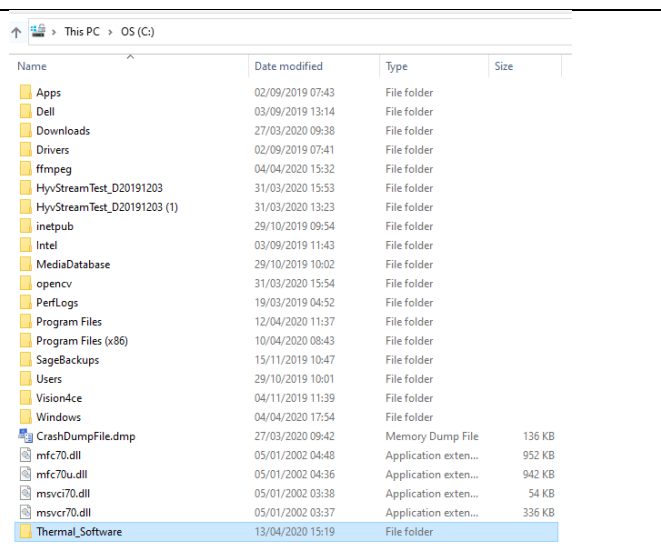
Select 'Okay' and the 'Okay' on the sub menu.



Install C++ Package

Step	Description	Image
1.	Locate the VC_redist.x86 package on the provided USB drive, OR Download from the support website: https://silentsentinelhelp.helpdocs.com/fix-modum/modum-software	
2.	Run the installer and follow the installation process through to completion.	

Install Thermal Viewer Software

Step	Description	Image
1.	Locate the Thermal_Software folder on the provided USB drive, OR Download from the support website: https://silentsentinelhelp.helpdocs.com/fix-modum/modum-software	
2.	Copy the folder and paste to the C:\\ on the Laptop	

3.	<p>Navigate to C:\\Thermal_Software on the laptop</p> <p>Right click on the file 'Thermal_Viewer.exe' and hover over 'Send to' then 'Desktop (create shortcut)'</p>	
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Disable Screen Saver / Sleep Modes

Step	Description	Image
1.	<p>Navigate to Start Bar, Settings, System, Power & Sleep.</p> <p>Set all options to 'Never'.</p>	

Set Laptop to 'Best Performance'


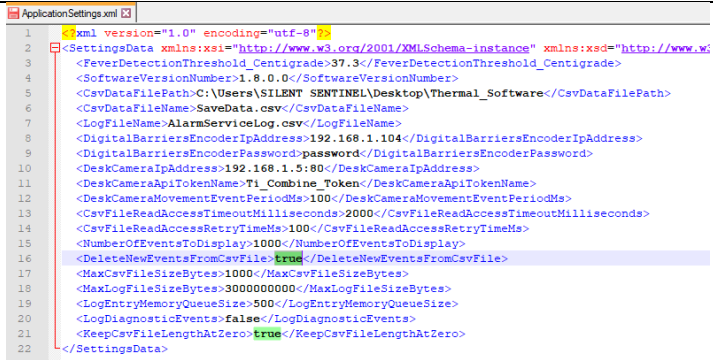
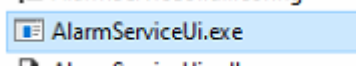
Step	Description	Image
1.	<p>Navigate to the System Tray and Click on the Battery Icon.</p> <p>Set the slider to 'Best Performance'</p>	<p>The image shows a Windows system tray notification for battery status. At the top, it displays a battery icon, '100%' charge, and 'Fully charged'. Below this, it indicates 'Power mode (plugged in): Best performance'. A slider is shown with 'Best battery life' on the left and 'Best performance' on the right. The slider is currently positioned at the 'Best performance' end. At the bottom of the notification, it says 'Battery settings'. The Windows taskbar is visible at the very bottom with system icons and the time '15:28'.</p>

Configuring Alarm Service software Install Desktop Runtime package

Step	Description	Image
1.	Locate the windowsdesktop-runtime-3.1.4-win-x64 package on the provided USB drive, OR Download from the support website: https://silentsentinelhelp.helpdocs.com/fix-modum/modum-software	
2.	Run the installer and follow the installation process through to completion.	

Install & configure AlarmService packet

Step	Description	Image
1.	Locate AlarmService folder in the Thermal Software folder and open it.	
2.	<p>Configure path for thermal raw data</p> <p>Open the AlarmService folder and open the file ApplicationSetting.xml with NotePad++ or NotePad.</p> <p>Change the <i>CsvDataFilePath</i> to the Thermal_Software path.</p>	
3.	<p>Configure setting for DB encoder</p> <p>Stay in ApplicationSetting.xml.</p> <p>Set <i>DigitalBarriersEncoderIpAddress</i> to 192.168.1.103.</p> <p>Set <i>DigitalBarriersEncoderPassword</i> to password</p> <p>Save the file.</p>	

<p>4.</p> <p>Configure setting for DeskCamera</p> <p>In ApplicationSetting.xml, set <i>DeskCameraIpAddress</i> to the PC's IP address (in the image, it is 192.168.1.5), with port 80.</p> <p>Set <i>ApiTokenName</i> to Ti_Combine_Token.</p> <p>Set <i>DeskCameraMovementEventPeriodMs</i> to 100.</p> <p>Save the file.</p>		
<p>5.</p> <p>Configure setting for CSV size management</p> <p>Set <i>DeleteNewEventsFromCsvFile</i> to true.</p> <p>Keep the rest parameters the same as picture.</p> <p>Save the file.</p>		
<p>6.</p> <p>Double click AlarmServiceUi.exe to start running at the background.</p>		

Configuring Desk Camera

Install Desk Camera Software

Step	Description	Image
1.	<p>Locate the Onvifis installer from the provided USB disk or download from Silent Sentinel help site.</p> <p>Extract to to desired directory (e.g. C://).</p> <p>For Silent Sentinel supplied laptop, extract to C://</p>	
2.	<p>Locate the SetupOnvifis application in the extraction path.</p>	
3.	<p>Run the installer and follow the installation process through to completion.</p>	
4.	<p>Open the shortcut created on desktop.</p>	

<p>5. Click Import button to import license file for DeskCamera.</p>	<p>The screenshot shows the 'ONVIF Integration Service' window. Under the 'License information' section, there is a 'License:' label and an 'Import' button. Below it, there is an 'About' section with a version number '3.0'. The 'Import' button is highlighted with a mouse cursor.</p>
<p>6. Select and import the license file (.lic).</p> <p>Noted that each license is tied to the hardware on which it is activated. It cannot be transferred to any other PC.</p> <p>Note: if a laptop has been purchased the license will have been preactivated against that laptop. If a laptop was not purchased, the license will be saved on the provided USB stick.</p>	<p>The top screenshot shows the 'IMPORT FROM' dialog box with two options: 'License file (.lic)' and 'Offline Activated License file (.act)'. The 'License file (.lic)' option is selected. Below the options are 'ok' and 'cancel' buttons, and a 'Create activation request' link.</p> <p>The bottom screenshot shows a file explorer window titled 'Open' with the path 'This PC > OS (C:) > Program Files > Silent Sentinel'. It displays a list of files and folders. The file 'f8277d10-83f0-47a0-a39c-975173a9cf82.lic' is selected. The file name field at the bottom shows 'File name: f8277d10-83f0-47a0-a39c-975173a9cf82.lic' and the file type is set to 'License files (*.lic)'. 'Open' and 'Cancel' buttons are visible at the bottom right.</p>

<p>7.</p>	<p>Activate the license.</p>	<p>The screenshot shows the 'ONVIF Integration Service' window. Under the 'License Information' section, it displays 'License: Trial' with a key ID 'f8277d10-83f0-47a0-a39c-975173a9cf82' and a 'License period: 15 Days'. Below this, it says 'Activation: Required' with a key ID '3918880255751931414189109271172377310324'. There is an 'Activate' button highlighted by a mouse cursor and a 'Delete License' button.</p>
<p>8.</p>	<p>Click yes.</p>	<p>The screenshot shows a dark blue dialog box with the ONVIF logo at the top. The text reads 'ONVIFIS' and 'Activation will tie the license to this PC. Continue?'. At the bottom, there are two buttons: 'yes' and 'no'. The 'yes' button is highlighted by a mouse cursor.</p>
<p>9.</p>	<p>Finish the activation.</p>	<p>The screenshot shows a dark blue dialog box with the text 'ONVIF INTEGRATION SERVICE' and 'The license has been activated'. At the bottom right, there is an 'ok' button highlighted by a mouse cursor.</p>

Add Thermal Video to RTSP Stream

Step	Description	Image
<p>1.</p> <p>Open up Onvif Integration Service (i.e. DeskCamera).</p> <p>Make sure the IP Address is the same as the PC's IP Address.</p> <p>Tick the box "Use port 80".</p>	<p>Open up Onvif Integration Service (i.e. DeskCamera).</p> <p>Make sure the IP Address is the same as the PC's IP Address.</p> <p>Tick the box "Use port 80".</p>	<p>The screenshot shows the 'ONVIF Integration Service' window. Under 'Camera Settings', the IP Address is set to 192.168.1.5 and 'Use port 80' is checked. Below this is a table with columns: Name, Port, Video Sources, and Info. The table is currently empty and has a red 'Offline' label above it. Other settings like 'Camera Mode' (Multiple channels) and 'ONVIF User' (admin) are also visible.</p>
<p>2.</p> <p>Go to Video & Audio Settings.</p> <p>Click Add new Media Source.</p>	<p>Go to Video & Audio Settings.</p> <p>Click Add new Media Source.</p>	<p>The screenshot shows the 'ONVIF Integration Service' window with 'Video & Audio Settings' expanded. A settings panel for 'DISPLAY1' is shown with options for Enable (checked), Type (Screen), Rotation (Auto), Audio (Select Audio), Video overlay (Disable), Motion events (Enable), and Live controller (Auto). At the bottom of this panel, the 'Add new Media Source' button is highlighted with a white box and a mouse cursor.</p>

<p>3.</p>	<p>Tick Screen Area and change Name to MODUM.</p> <p>Have Thermal software opened and running. Then click Setup to sketch the streaming area of the thermal software.</p>	
<p>4.</p>	<p>Adjust the highlight area to cover the thermal video display. Press keyboard Enter to save the area data.</p> <p>Click OK to finish the Add Source process.</p>	

<p>5.</p>	<p>Click Test RTSP on the main window.</p>																					
<p>6.</p>	<p>Select MainStream and press ok.</p>	<table border="1" data-bbox="592 1084 1353 1400"> <thead> <tr> <th>Name</th> <th>Encoder</th> <th>Audio</th> <th>Resolution</th> <th>FPS</th> </tr> </thead> <tbody> <tr> <td>MainStream</td> <td>H264</td> <td></td> <td>1584x880</td> <td>10</td> </tr> <tr> <td>SubStream</td> <td>H264</td> <td></td> <td>1584x880</td> <td>3</td> </tr> <tr> <td>SubStreamJpeg</td> <td>Jpeg</td> <td></td> <td>1280x720</td> <td>3</td> </tr> </tbody> </table>	Name	Encoder	Audio	Resolution	FPS	MainStream	H264		1584x880	10	SubStream	H264		1584x880	3	SubStreamJpeg	Jpeg		1280x720	3
Name	Encoder	Audio	Resolution	FPS																		
MainStream	H264		1584x880	10																		
SubStream	H264		1584x880	3																		
SubStreamJpeg	Jpeg		1280x720	3																		
<p>7.</p>	<p>A popup window of the streaming video of the enclosed area in step 4 should be displayed. Once verified, press ok to finish.</p>																					

Add Daylight Video to RTSP Stream

Step	Description	Image
1.	<p>Go to Video & Audio Settings.</p> <p>Click Add new Media Source.</p>	
2.	<p>Tick Other and select RTSP in the drop-down box.</p> <p>Change Name to Daylight.</p>	

<p>3. Open ONVIF Device Manager.</p> <p>Click the tool icon at the top right corner to open <i>Application settings</i>.</p> <p>Set <i>Video streaming transport</i> as TCP.</p>	<p>The screenshot shows the 'Application settings' dialog box with the following configurations:</p> <ul style="list-style-type: none"> User interface settings: Language: english; Show video playback statistics: <input type="checkbox"/>; Video rendering fps: 30; Open web in external browser: <input type="checkbox"/>; Enable graphic annotation: <input checked="" type="checkbox"/>. Events settings: Enable events subscription: <input checked="" type="checkbox"/>; Event subscription type: PullPoint if available; Base Subscription port number: 80; Save events to disk: <input type="checkbox"/>. Device communication settings: Enable snapshots: <input checked="" type="checkbox"/>; Enable plugins: <input checked="" type="checkbox"/>; Kipod NVA: <input type="checkbox"/>; Use extended filter editor: <input type="checkbox"/>; Video streaming transport: TCP. <p>Buttons: Apply, Cancel.</p>
<p>4. Open the daylight camera live video. Copy the RTSP link at the bottom of the display.</p>	<p>The screenshot shows the ONVIF Device Manager v2.2.250 interface. On the left is a 'Device list' with entries for TCAM, VIVOTEK, and Unknown devices. The main area shows a 'Live video' feed of a hallway. At the bottom, the RTSP link is displayed: <code>rtsp://192.168.1.81:554/videoinput_10?profile=10&264_1/ovmf.htm</code>.</p>

<p>5.</p> <p>Paste the link in Source URL.</p> <p>User/Pass: admin / admin</p> <p>Resolution 1920*1080</p> <p>Click Validate Connection and press ok to finish,</p>		
<p>6.</p> <p>Click Test RTSP.</p>		
<p>7.</p> <p>Check if the pop window displays the daylight video.</p> <p>Once verified, press ok to finish.</p>		

Add Thermal & Daylight Video to RTSP Stream as Pic-in-Pic

Step	Description	Image
1.	<p>Go to Video & Audio Settings.</p> <p>Click Add new Media Source.</p>	
2.	<p>Tick Combine and select Pic in Pic in the drop-down box.</p> <p>Change Name to Ti_Combine.</p> <p>Media1: DISPLAY1</p> <p>Media2: Daylight</p> <p>Press ok to finish the process.</p>	

<p>3.</p>	<p>Click Test RTSP.</p>	
<p>4.</p>	<p>Check if the pop window displays the daylight and thermal combined video.</p> <p>Once verified, press ok to finish.</p>	

Set Up Motion Alert on Desk Camera

Step	Description	Image
1.	<p>Go back to the main window of Desk Camera and open Video & Audio settings tab.</p> <p>Select DISPLAY1 and untick Enable.</p>	<p>The screenshot shows the 'ONVIF Integration Service' window with 'Video & Audio Settings' selected. Under 'Video & Audio Settings', 'DISPLAY1' is highlighted. The 'Enable' checkbox is unchecked. The 'Motion events' dropdown is set to 'Enable'. Other settings include Type: Screen, Rotation: Auto, Audio: Select Audio, Video overlay: Disable, and Live controller: Auto.</p>
2.	<p>Select Ti_Combine.</p> <p>Change Motion events to Enable.</p> <p>Open Motion Event configuration window (click the tool bar next to the drop-box).</p>	<p>The screenshot shows the 'ONVIF Integration Service' window with 'Ti_Combine' selected. The 'Enable' checkbox is checked. The 'Motion events' dropdown is set to 'Enable' and a 'Configure ONVIF' tooltip is visible. Other settings include Type: VideoMixer, Rotation: Auto, Audio: Select Audio, Video overlay: Disable, and Live controller: Combined Media.</p>

<p>3.</p>	<p>Set the event as following:</p> <p>Keyboard: Disable</p> <p>Mouse click: Disable</p> <p>Mouse move: Disable</p> <p>API call: Enable</p> <p>Press Close to finish.</p>	
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Open TCP port 80 in Windows Firewall

Step	Description	Image
1.	Open Control Panel and select System and Security .	<p>The screenshot shows the Windows Control Panel window. The title bar reads 'Control Panel'. The main content area is titled 'Adjust your computer's settings' and lists several categories. 'System and Security' is highlighted with a blue selection box. Other visible categories include Network and Internet, Hardware and Sound, Programs, User Accounts, Appearance and Personalisation, Clock and Region, and Ease of Access.</p>
2.	Select Windows Defender Firewall .	<p>The screenshot shows the 'System and Security' window in the Control Panel. The title bar reads 'System and Security'. On the left, a navigation pane lists various categories, with 'System and Security' selected. The main content area shows 'Security and Maintenance' at the top, followed by 'Windows Defender Firewall', which is highlighted with a blue selection box. Below it are sections for System, Power Options, File History, Back up and Restore (Windows 7), Device encryption, Storage Spaces, Work Folders, Administrative Tools, and Flash Player (32-bit).</p>

<p>3.</p>	<p>Select Advanced Settings in the left column.</p>	
<p>4.</p>	<p>In the popup window, select Inbound Rules and click New Rule.</p>	

<p>5.</p>	<p>Select Port and click Next.</p>	<p>New Inbound Rule Wizard</p> <p>Rule Type</p> <p>Select the type of firewall rule to create.</p> <p>Steps:</p> <ul style="list-style-type: none"> Rule Type Protocol and Ports Action Profile Name <p>What type of rule would you like to create?</p> <p><input type="radio"/> Program Rule that controls connections for a program.</p> <p><input checked="" type="radio"/> Port Rule that controls connections for a TCP or UDP port.</p> <p><input type="radio"/> Predefined: @FirewallAPI.dll;-80200 Rule that controls connections for a Windows experience.</p> <p><input type="radio"/> Custom Custom rule.</p> <p>< Back Next > Cancel</p>
<p>6.</p>	<p>Select TCP.</p> <p>Type 80 in Specific local ports.</p> <p>Click Next.</p>	<p>New Inbound Rule Wizard</p> <p>Protocol and Ports</p> <p>Specify the protocols and ports to which this rule applies.</p> <p>Steps:</p> <ul style="list-style-type: none"> Rule Type Protocol and Ports Action Profile Name <p>Does this rule apply to TCP or UDP?</p> <p><input checked="" type="radio"/> TCP</p> <p><input type="radio"/> UDP</p> <p>Does this rule apply to all local ports or specific local ports?</p> <p><input type="radio"/> All local ports</p> <p><input checked="" type="radio"/> Specific local ports: 80 Example: 80, 443, 5000-5010</p> <p>< Back Next > Cancel</p>

<p>7.</p>	<p>Select Allow the connection and then click Next.</p>	<p>New Inbound Rule Wizard</p> <p>Action Specify the action to be taken when a connection matches the conditions specified in the rule.</p> <p>Steps:</p> <ul style="list-style-type: none"> ● Rule Type ● Protocol and Ports ● Action ● Profile ● Name <p>What action should be taken when a connection matches the specified conditions?</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Allow the connection This includes connections that are protected with IPsec as well as those are not. <input type="radio"/> Allow the connection if it is secure This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node. <input type="button" value="Customize..."/> <input type="radio"/> Block the connection <p>< Back Next > Cancel</p>
<p>8.</p>	<p>Select when this rule applies (check all of them for the port to always stay open) and then click Next.</p>	<p>New Inbound Rule Wizard</p> <p>Profile Specify the profiles for which this rule applies.</p> <p>Steps:</p> <ul style="list-style-type: none"> ● Rule Type ● Protocol and Ports ● Action ● Profile ● Name <p>When does this rule apply?</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Domain Applies when a computer is connected to its corporate domain. <input checked="" type="checkbox"/> Private Applies when a computer is connected to a private network location, such as a home or work place. <input checked="" type="checkbox"/> Public Applies when a computer is connected to a public network location. <p>< Back Next > Cancel</p>

<p>9.</p>	<p>Name with “ONVIFis(TCP 80)” and Finish.</p>	<p>The screenshot shows a 'New Inbound Rule Wizard' window. On the left, a 'Steps' list includes 'Rule Type', 'Protocol and Ports', 'Action', 'Profile', and 'Name', with 'Name' selected. The main area is titled 'Name' and contains the instruction 'Specify the name and description of this rule.' Below this, there is a 'Name:' label followed by a text input field containing 'ONVIFis(TCP 80)'. Underneath is a 'Description (optional):' label followed by a larger empty text area. At the bottom right, there are three buttons: '< Back', 'Finish' (which is highlighted with a mouse cursor), and 'Cancel'.</p>
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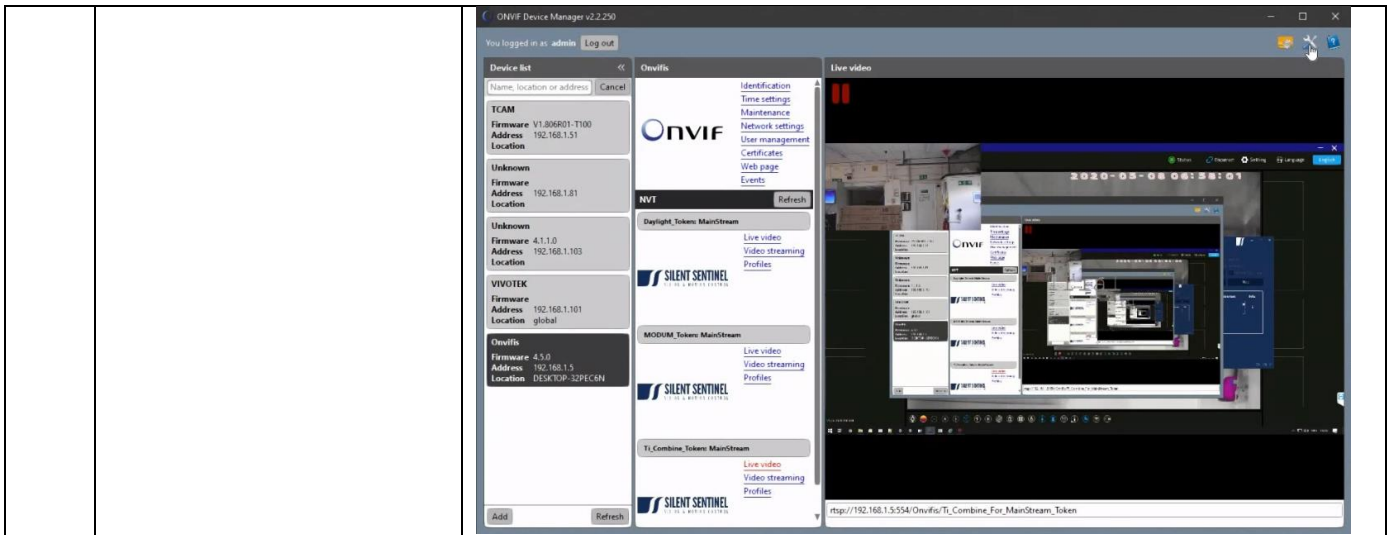
Enable Event Notification on ODM

Step	Description	Image
1.	<p>Open ODM.</p> <p>Click the tool icon at the top right corner to open <i>Application settings</i>.</p>	
2.	<p>Set <i>Event subscription type</i> to Only PullPoint or Pullpoint if available.</p> <p>Set <i>Base Subscription port number</i> to 80.</p> <p>Click <i>Apply</i> to finish the process.</p>	

<p>3. Click <i>Refresh</i> at the bottom of Device list.</p>	<p>The screenshot shows a mobile application interface titled "Device list". At the top, there is a search bar with the placeholder text "Name, location or address" and a "Cancel" button. Below the search bar, there is a scrollable list of device entries. Each entry displays the device name, firmware version, IP address, and location. The devices listed are:</p> <ul style="list-style-type: none"> TCAM: Firmware V1.806R01-T100, Address 192.168.1.51, Location (blank) Onvifis: Firmware 4.5.0, Address 192.168.1.170, Location LAPTOP-6HT1AJTS Unknown: Firmware (blank), Address 192.168.1.81, Location (blank) VIVOTEK VS8100-v2: Firmware (blank), Address (blank), Location (blank) <p>At the bottom of the list, there are two buttons: "Add" on the left and "Refresh" on the right.</p>
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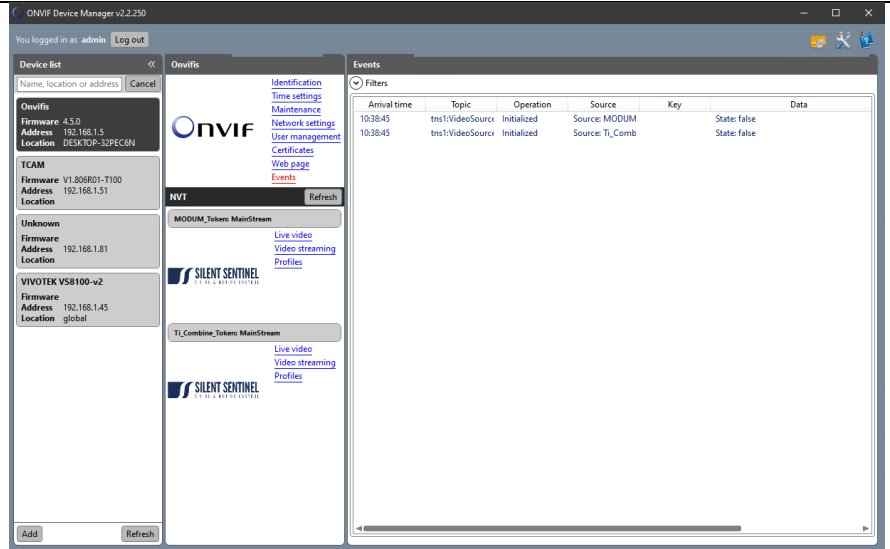
Test stream on ONVIF Device Manager

Step	Description	Image
1.	<p>In Desk Camera Window, go to Camera Settings tab. Click Start to start streaming.</p>	
2.	<p>Check video display</p> <p>Open Onvif Device Manager and select the device with PC/DeskCam's IP address (in this case, 192168.1.5).</p> <p>There should be three video souces available: Thermal, Daylight and Combined.</p> <p>Click Live Video of all three of them one by one. Check if the video is displaying properly.</p>	



3. **Check motion alert (step 6-9)**

Select Events tab of the DeskCam device to display all the motion events from DeskCam.

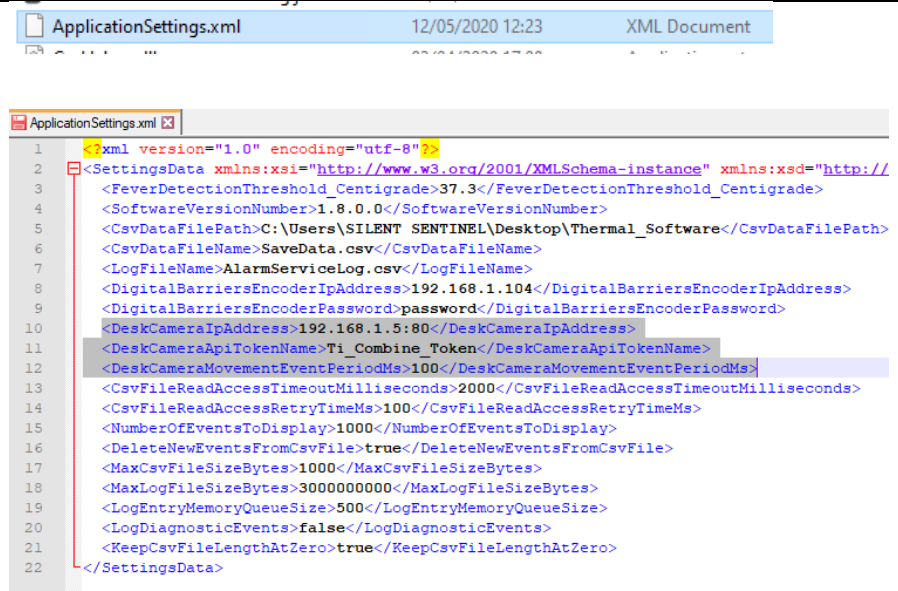


4. **Check AlarmService Configuration for DeskCam interface**

Double click "ApplicationSettings.xml" in the AlarmService directory to open the config file.

Set DeskCameraIpAddress and ApiTokenName to what is previously configured in Desk Camera software (Onvif Integration Services).

Note that ApiTokenName should be consistent with the source that has



	<p>motion event enabled. The API token name can be found in Configure Motion sub-window.</p>																																																													
<p>5.</p>	<p>Double click AlarmServiceUi.exe in the AlarmService directory to run the Alarm Service software.</p>																																																													
<p>6.</p>	<p>Press Trigger detection event button to generate a simulation of fever alert.</p> <p>Check the event log on ODM. Each pressing of the button should generate two events, like in the image.</p>	<table border="1"> <thead> <tr> <th>Arrival time</th> <th>Topic</th> <th>Operation</th> <th>Source</th> <th>Key</th> <th>Data</th> </tr> </thead> <tbody> <tr> <td>10:53:16</td> <td>tns1:VideoSource</td> <td>Initialized</td> <td>Source: MODUM</td> <td></td> <td>State: false</td> </tr> <tr> <td>10:53:16</td> <td>tns1:VideoSource</td> <td>Initialized</td> <td>Source: Daylight</td> <td></td> <td>State: false</td> </tr> <tr> <td>10:53:16</td> <td>tns1:VideoSource</td> <td>Initialized</td> <td>Source: TI_Comb</td> <td></td> <td>State: false</td> </tr> <tr> <td>10:55:34</td> <td>tns1:VideoSource</td> <td>Changed</td> <td>Source: TI_Comb</td> <td></td> <td>State: true</td> </tr> <tr> <td>10:55:34</td> <td>tns1:VideoSource</td> <td>Changed</td> <td>Source: TI_Comb</td> <td></td> <td>State: false</td> </tr> <tr> <td>10:55:36</td> <td>tns1:VideoSource</td> <td>Changed</td> <td>Source: TI_Comb</td> <td></td> <td>State: true</td> </tr> <tr> <td>10:55:36</td> <td>tns1:VideoSource</td> <td>Changed</td> <td>Source: TI_Comb</td> <td></td> <td>State: false</td> </tr> <tr> <td>10:55:48</td> <td>tns1:VideoSource</td> <td>Changed</td> <td>Source: TI_Comb</td> <td></td> <td>State: true</td> </tr> <tr> <td>10:55:48</td> <td>tns1:VideoSource</td> <td>Changed</td> <td>Source: TI_Comb</td> <td></td> <td>State: false</td> </tr> </tbody> </table>	Arrival time	Topic	Operation	Source	Key	Data	10:53:16	tns1:VideoSource	Initialized	Source: MODUM		State: false	10:53:16	tns1:VideoSource	Initialized	Source: Daylight		State: false	10:53:16	tns1:VideoSource	Initialized	Source: TI_Comb		State: false	10:55:34	tns1:VideoSource	Changed	Source: TI_Comb		State: true	10:55:34	tns1:VideoSource	Changed	Source: TI_Comb		State: false	10:55:36	tns1:VideoSource	Changed	Source: TI_Comb		State: true	10:55:36	tns1:VideoSource	Changed	Source: TI_Comb		State: false	10:55:48	tns1:VideoSource	Changed	Source: TI_Comb		State: true	10:55:48	tns1:VideoSource	Changed	Source: TI_Comb		State: false
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