

CA4K V1.1.x

And

Milestone Xprotect 2019 Series

Setup and Integration Guide

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Table of Contents

Important Information - Must Read Prior To Starting Installation	4
Scope / Prerequisites/Related Documents	5
DVR License Verification	6
Enable Milestone Xprotect 2019 in CA4K	7
Add/Configure Milestone Xprotect 2019 DVR in CA4K	7
Viewing Live Video	9
Searching Recorded Video	13
Configuring a Device to Capture video clips	14
Viewing DVR Recorded Video associated with CA4K Events	15
Viewing DVR Recorded Video associated with CA4K Alerts	16

Important Information - Must read prior to starting installation.

- 1) Not all controls in the CA4K are supported for the Milestone VMS brand. If the controls are not enabled, please make the associated settings in the Milestone Xprotect VMS software.
- 2) Supported camera configuration settings will vary from camera to camera.
- 3) This document pertains to the setup and configuration of the CA4K software for integration with Milestone Xprotect 2019 software.
- 4) To install and execute the Milestone Xprotect 2019 integration with CA4K, you MUST have Full Local Administrator permissions in Windows.
- 5) For better performance, it is recommended to enable and configure Milestone integration on a CA4K workstation and not the CA4K host computer.
- 6) Please refer to the Milestone help documents for complete details on installing and configuring the Milestone Xprotect 2019 VMS software.
- 7) Please refer to the CA4K Help file for additional details regarding the Milestone CA4K DVR integration.

Scope

This document contains information regarding the setup and configuration of the CA4K software for integration with the Milestone Xprotect 2019 series software. Prior to performing the steps in this document, you must have a functional Milestone Xprotect 2019 system. Refer to the Milestone Xprotect 2019 documents referenced below for installation and configuration instructions for the Milestone Xprotect 2019 software.

Prerequisites

- Milestone Xprotect 2019 system with a valid Milestone license.
- A functional V1.1.x, CA4K system with a software license with support for one or more DVR's.

Related Documents

- CA4K Help File (DVR>Milestone topic).
- Milestone Xprotect 2019 Enterprise Administrator's Getting Started Guide.
- Milestone Xprotect 2019 Enterprise Administrator's Manual.
- Milestone Xprotect 2019 Smart Client User Manual.

CA4K DVR License Verification

Prior to programming the CA4K for integration with Milestone Xprotect 2019 software, you
must verify the CA4K security key/software license supports one or more DVR Servers.
Click Help>About on the CA4K main menu. The values in the Security Key/Software
license will display. Verify the DVR Count is one or more. Refer to Figure 1.





Enable Milestone Xprotect 2019 in CA4K

Refer to Figure 2 for the following steps:

- 1) In the CA4K, click **System>System Settings** on the main menu.
- 2) Click System-wide Settings tab.
- 3) Select Enable Video System.
- 4) Click Save.

System Settings		x							
Save Cancel Close									
Workstation Settings System-wide Settings	Operator - admin - Settings								
General Badges Custom Fields Alarm Par	el Integration Script Server(s) LDAP	Archive Settings Custom Menus							
General									
Use Host Global Timezone	Enable Video System	Enable Activity Linking							
Prompt To Auto-Create Panel Devices	Enable Facility Maps	Enable Holiday Calendars							
Enable Global APB Broadcast									

Figure 2.

Add/Configure Milestone Xprotect 2019 DVR in CA4K

Refer to Figure 3 for the following steps:

- 1) Click **Configuration** on the main menu of the CA4K screen.
- 2) Click **DVR configuration.**



Figure 3.

Refer to Figure 4 for the following steps:

- 2) After clicking DVR Configuration, the **DVR Configuration** screen will display.
- 3) On the **DVR Configuration** screen, click **New**.
- 4) On the General tab, enter the Server information. The Server information includes DVR Server Type, DVR Server IP, Server Name, DVR Server Time Zone, Partition Group, DVR User Name and Password.

Note: By default, the **Enabled** check box will be selected. This box must be selected in order to view the live/recorded video of the camera connected to a particular server.

DVR Configu	ration					
New Delete	Edit Save Cancel Cam	The ration and the ratio and t				Close
	Server Name	Server IP Address	Active	Zone	Last Updated	I
Milestone	2019	192.168.1.137		30	12/19/2019 3:49:00	PM
General	of 1 🕨 🕅					
		DVR caMilestoneView - [Milesto	one Series]			1
	DVR Server Type:	DVR caMilestoneView-[XProtec	ct Series]	\sim		
	DVR Server IP:	192.168.1.13/			Enabled	Enabled Must be selected
	Server Name:	Milestone 2019				
	DVR Server Time Zone:	(GMT-05:00) Eastern Time (US &	(Canada)	\sim		
	Partition Group	Admin Partition Phone Admin		\sim		
	DVR User Name:	Administrator				
	Password:	•••••				
	Confirm Password:	•••••				

Figure 4.

5) Click Camera Configuration. Refer to Figure 5.

DVR	Config	uratio	n							
[] New	X Delet	e Edit	Save	Cancel	Camera Configuration	About			Clo	se
Figu	ure 5	•							 	ALARLINA

6) After clicking **Camera Configuration**, the **DVR Camera Configuration** screen will display. The **DVR Camera Configuration** screen will display all the cameras that are connected to the selected Milestone Server. Select the camera you wish to view and the associated video will display. Refer to Figure 6.

date Camera Synchro	inize Time	Clo
	Camera Name	VendorCameralD
AXIS M3026 Network C	Camera (192.168.1.72) - Camera 7	12687305-5229-43f5
AXIS M3045-V Network	(Camera (192.168.1.194) - Camera 1	53f3ed05-4e1d-4c35-
AXIS M3026 Network C	Camera (192.168.1.72) - Camera 5	6280ec2c-3e28-46a4
AXIS M3026 Network C	Camera (192.168.1.72) - Camera 2	6afca64e-35cf-443d-
AXIS M3045-V Network	c Camera (192.168.1.194) - Camera 2	7c978c79-c425-4687
AXIS M3026 Network C	Camera (192.168.1.72) - Camera 8	91f83812-a3e1-40e2
AXIS M3026 Network C	Camera (192.168.1.72) - Camera 4	a4a06936-8758-4fd4
AXIS M3026 Network C	Camera (192.168.1.72) - Camera 3	a7781029-a119-462
eneral Settings Camera: DVR Server:	1 Miestone	work Camera (192.168.1.194) - Camera 1
èeneral Settings Camera: DVR Server: Camera Name: Partition Group	1 Milestone AXIS M3045-V Network Camera (192.168.1 Admin Partition	work Camera (192.168.1.194) - Camera 1
Seneral Settings Camera: DVR Server: Camera Name: Partition Group	1 Mlestone AXIS M3045-V Network Camera (192.168.1) Admin Partition	work Camera (192.168.1.194) - Ca

9) Click Close to exit the DVR Camera Configuration screen.

Viewing Live Video

1) On the CA4K toolbar, click **View DVR**. Refer to Figure 7.

Note: If the **View DVR** icon does not display, go back to the previous steps and verify the DVR is configured and enabled in System Settings as per the steps on page 6 and 7.



2) After clicking the **View DVR** button on the CA4K toolbar, the **CardAccess 4K View DVR** window will display on the bottom right of the CA4K main screen. Refer to Figure 8.

Note: Not all controls in the CA4K are supported for the Milestone VMS brand. If the controls are not enabled, please make the associated settings in the Milestone Xprotect VMS software.

tem Control Access Administra		Home / Actions * S View * C Corr	nmunicate * Las Files & Extres * 🥹			
rsonnel Schedules Access Grou	n View DVR Doors Relays Links Activity Links Mapping Status Reports C	uston Menu Log Out				
Live Events						
	📍 💥 🔺 🐻 🗐 🌮 Arland Time ,					
Events Filter Browse Respond	Map Control Disable Events Recent Photo Video					
Class	Description	Location	Panel DateTime	Acknowledged At	Operator	Priority
PANEL Trouble						
SYSTEM	LAN/COM Connection Restored	CDM Port 5	12/17/2019 11:34:04 AM	12/19/2019 3:41:09 PM	admin	20
PANEL Trouble	Now Responding	Accel Office	12/17/2019 11:34:06 AM	12/19/2019/3/41/09 PM	adman	50
DOOR Manual Unlock	1-1 Science Building Rdr 1	Accel Office	12/17/2019 3 17:59 PM	12/17/2019 3:17:59 PM	Auto-Acked	50
SYSTEM	Area Locked By Operator	North Building (MKELLYLT : HCS)	12/17/2019 3:18:17 PM	12/19/2019 3:41:08 PM	admin	5
SYSTEM	Threat Level Activated	Threat Level 1 (MKELLYLT : HCS)	12/17/2019 3:18:30 PM	12/19/2019 3:41:08 PM	admin	5
DOOR Manual Unlock	1-1 Science Duilding Rdr 1	Accel Office	12/17/2019 3.52:09 PM	12/17/2019 3 52:09 PM	Auto-Acked	60
DOOR Manual Unlock	1-2 Science Building Rdr 2	Accel Office	12/19/2019 12:31:51 PM	12/19/2019 12:31:51 PM	Auto-Acked	50
DOOR Manual Unlock	1-1 Science Building Rdr 1	Accel Office	12/19/2019 12:32:00 PM	12/19/2019 12:32:00 PM	Auto-Acked	60
SYSTEM	Com Server Startup	MIGELLYLT	12/19/2019 2:58/23 PM	12/19/2019 3 41 d8 PM	admin	20
				Clear View C Clear View (2) Milestone 2019 the AXIS M3145-V Networ AXIS M3145-V Networ		
				A05 M022 Networ		Fecus PTZ
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Ever Court 1000 Pending Alerts Class Class	Verage Connect Enc. Astronomic III Engand May Control Evaluations Rose None University Control Evaluations Rose View Description Description	line Format As Local line - +	Location	A 205 10235 Minor A 205 10255 Minor A 205 10255 Minor A 205 10255 Minor A 205 10226 Minor		FIZ FIZ FIZ FIZ FIZ FIZ FIZ FIZ FIZ FIZ
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Event Count 1000 Yording Alets Original Alets The Activaciety Class	Decorpt Connected The Astronomy All Regimes May Control Distance Regimes May Control Distance Regimes And Control Distance Regimes Astronomy Regim	ine-fonat [Attacifine]	Location	255 1025 Minor		VICE PICE

- Figure 8.
- Click the View tab and select the portions of the View DVR screen you wish to display. The selections are the Server/Camera List screen, PTZ Control screen and Alert Bar. Refer to Figure 9.



Figure 9.

4) Click the **Single View** dropdown box and select the view you wish to display in the **View** DVR screen. The options are Single View, 2x2 View, 3x3 View, 4x4 View and 5x5 View. Refer to Figure 10.



Figure 10.

5) Select the camera you wish to display from the camera list. Figure 11.



Figure 11.

7) Click the Zoom controls to zoom in and out. Click the "+" or "-" buttons to zoom in and out. Refer to Figure 12.



Figure 12.

8) If the camera supports PTZ, click the arrows to position the camera. Refer to Figure 13.



Figure 13.

Searching Recorded Video

Refer to Figure 14 for the following steps:

- 1) Click the **Search Video** tab.
- 4) After clicking Search Video, the Search Video window will display.
- 5) Select the **DVR Server**, **DVR Camera** and select a **From** and **To Search Date Time**.
- 6) Click the **Search Video** button.
- 7) Use the **DVR navigation buttons** below the video window to navigate through the video clip.
- 8) Click **Export Video** to export the video clip.
- 9) Click Capture Image to capture an image of the video screen.



Figure 14.

Configuring a Device to Capture Video clips on specific alerts

Note: For our demonstration, we will configure a Reader in the CA4K to capture a video clip. You can also configure an Input and Napco Zone to capture video clips.

Refer to Figure 15 for the following steps:

1) Click Configuration>Readers>DVR.

- 2) Click the **Edit** button on the toolbar.
- 3) Enter the following information on the **Configuration>Readers** screen.
 - DVR Server Name
 - Camera

- Pre-Event Time (Pre-event time is the view time before the occurrence of an event, from the selected Reader).
- Post-Event Time (Post-event time is the view time after the occurrence of an event, from the selected Reader).
- Priority From
- Priority To
- DVR Forced Recording (When an action occurs on the CA4K system, it forces the DVR to start recording).
- DVR PTZ Preset (When an action occurs on the CA4K system, it causes a PTZ camera to position to a fixed preset number (position).

CardAccess 4K (Version 1.1.16.137 -	Station : 1 - MKELLYLT)			X	Home 🚽	Actions -	🚽 View 👻 🕼 Communica
System Control Access Administrat	ion Configuration Lockdown	Control View Help			<i>,</i>		
Personnel Schedules Access Group	s View DVR Doors Relays	Links Activity Links Mappi	ng Status Reports	▼ Cus	stom Menu	Log Out	
2 L Readers ×							
	🕒 🍢 📃 🗐	🖶 🛛 🖸					
e New Delete Save Cancel 3	earch Kerresh Export ond t	o excel Print Ond Close					Readers
Reader	Description Text	Enabled	Ext Shunt		Es	cort	Rot Bypass
हैं 1-1	Science Building Rdr 1	Yes	No		No		Yes
0 1-2	Science Building Rdr 2	Yes	No		No		Yes
1-3	Science Building Rdr 3	Yes	No		No		Yes
1 - 4	Science Building Rdr 4	Yes	No		No		Yes
1-5	Math Building Rdr 1	Yes	No		No		Yes
1-6	Math Building Rdr 2	Yes	No		No		Yes
1-7	Math Building Rdr 3	Yes	No		No		Yes
1-8	Math Building Rdr 4	Yes	No		No		Yes
Device Name Scier	ice Building Rdr 1		Partition Group	Admin P	Partition	~	
General Door Control Options 0	Category Counters Priorities	VR Maps Location / Remarks	1				
DVD Server News							
Comme	Milestone 2019	~					
Camera	AXIS M3045-V Network Camer	a (192.168.1.194)					
Set recorded video view Time Perio Pre Event Time	d range for an Alert/Event	Set recorded video view F Priority From	Priority range for an Alert	/Event			
Post Event Time	50 🐨	Priority To	/0 📼				
	Pre Event and Post Event times	are in Seconds					
		PTZ Pro	esets				
		Preset	Number 3	`	-		



Viewing DVR Recorded Video clips of CA4K Events

Note: There are multiple methods to view video clips for events.

Refer to Figure 16 for the following steps:

1) Double click an event in the Events Grid with a camera icon to the left of the event.

2) While the event is selected, click the **Video button** above the events grid to display the recorded video clip.

E	vents Filter Browse Respond M	ap Contro	Dis	sable Events	Recent	Photo	Video	Astoco
	Class						Descri	ption
	PANEL Trouble	No Respon	se					
	SYSTEM	LAN/COM	Conne	ction Restored	ł			
	PANEL Trouble	Now Respo	onding					
	DOOR Manual Unlock	1-1 Scienc	e Build	ling Rdr 1				
	SYSTEM	Area Locke	ed By C	Operator				
	SYSTEM	Threat Lev	el Acti	vated				
	DOOR Manual Unlock	1-1 Scienc	e Build	ling Rdr 1				
	DOOR Manual Unlock	1-2 Scienc	e Build	ling Rdr 2				
	DOOR Manual Unlock	1-1 Scienc	e Build	ding Rdr 1				
	SYSTEM	Com Serve		Show All				
				Show This				
			0	View Record	d			
			19	Control				
				Respond				
			(3)	Show Recor	ded Vide	0		
				Show Usage	2			
		Г		Show Live V	/ideo			
			-	a			_	

3) Right click on the desired Event and select Show Live Video.

Viewing DVR Recorded Video clips of CA4K Alerts

Note: There are multiple methods to view video clips for events.

Refer to Figure 17 and 18 for the following steps:

- 1) Double click an event in the Pending Alerts Grid with a camera icon to the left of the event.
- 2) To have the video clip display automatically while the Alert is in the Pending Alerts grid, you must select the **Auto-Show On** option. Click the down arrow on the pending alerts Video button, and then select the **Auto-Show On** option. Once the **Auto-Show On** option is selected, the associated video clip will pop up when the alert is in the top position of the pending alerts grid.
- 3) Select a pending alert with a camera icon and click the Pending Alerts grid Video button.

Very Important: For this function to work, the Auto-Show Off option must be selected on the pending alert Video button.



Figure 17.

Pending Alerts												
Pending Alerts Filter	Acknowledge Alert	Acknowledge All	Respond	💡 🖵 Map	Control	Disable Alerts	Photo	Vide		Time Format	As Local Time 🔹	
С	lass						Description	1	Auto	Show On		
									Auto	Show Off		
								-			·	

Figure 18.