# INSTALLATION GUIDE



# DEAVM5 PLUGIN INTERFACES





DeaVMS Plug-In V1.1.0

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#### 1. INTRODUCTION

The DeaVMS plug-in provides a bidirectional interface connecting the DEA Security perimeter intrusion detection systems with the Milestone Video Surveillance System, XProtect, and reports all the information of alarm, prealarm, fault or malfunction detected.

Moreover, the plug-in allows the user to send control commands to the DEA Security system.

#### 2. **PLUGIN INSTALLATION**

The DeaVMS plug-in must be installed using its DeaVMS Setup. Before the installation, it is necessary to stop the XProtect Event Server service. Once the XProtect Event Server is stopped, you can run the DeaVMS Setup.

During the setup phase, you make sure that the path where the plugin is installed is correct. By default, the path is: C:\Program Files\Milestone\MIPPlugins\DeaVMS

The installation process creates a new folder called DeaVMS located within the Milestone MIPPlugin folder. Inside the folder there is the plugin library and all the dependencies necessary to guarantee its functioning: icon\_DeaSecurity.ico

- DeaMapNet is a folder where is saved the signal map configuration
- ApplicationInfo.dll
- DeaMap.dll
- DeaMapNet.dll
- DeaVMS.dll
- DeaVMS.dll.config

#### 2.1. PREREQUISITES

The DeaVMS plug-in is targeting .NET 4.7.

The following products can be used:

- **XProtect** Corporate
- **XProtect Expert**
- XProtect Professional+
- XProtect Express+
- XProtect Essential+

Do not use XProtect versions that are no longer supported. Please check the Milestone Product Lifecycle page at https://www.milestonesys.com/support/tools-and-references/product-lifecycle

#### 2.2. **PERMISSIONS ASSIGNMENT**

Once the **DeaVMS** plug-in folder has been created, it is necessary to enable read and write permissions of the user who manages the "XProtect Event Server" service. The default user assigned to this service is the "NETWORK SERVICE" user / group.

To verify the user / service association it is necessary to access the windows services page (Direct command from shell to open the services panel: Services.msc).



LicenseManagerTool.exe.config log4net.dll

LicenseManagerTool.exe

LicenseManagerLib.dll

- logo\_DEA\_Security.png
- Newtonsoft.Json.dll

INSTALLATION



INSTALLATION GUIDE D E A V M 5

#### 2.3. **DEA SECURITY LICENSE**

The DeaVMS plug-in is under software license. To enable the plug-in, a license request must be sent to DEA Security. Once the license has been delivered, the plug-in can be licensed using the LicenseManagerTool.

As long as the plug-in is not licensed, the communication with the DEA systems will be interrupted.

The graphical controller objects will change icons and show the 'Controller not licensed' icon, while all the other objects (Zone/ Sector/Group of zones) will settle on the 'Unknown' status:



#### 2.3.1 SOFTWARE LICENSE REQUEST

To request a new license, it is necessary to fill all the fields highlighted with a red asterisk and then click on the 'Generate Request' button.

The software will create a request license (\*.txt) to be sent by email to: deavms.license@deasecurity.com

Dealerst Name: DEALAR	Version: 1057
Product Name: DEAVMS	version: 1.0.2.0
DEAVMS - DEA Securi	ty Plugin for Milestone
Doense State	
Status: License installed	
Linence ID: 1616417917	0
Bequet License ID: 1616417272	Date: 2021-03-22 13:56:57 Remove License
Thequest Doctrine ID. 1010417773	Date: 20210004210.0010
License Request License Installation	
License Request	
To optaine the license, please generate a new requer	est and send it to: deavms, license@deasecurity.com
When you receive the license (PAK file), please sele	ect the 'License Installation' tab in order to install it.
Site Info	User Info
Installation Site	First Name
Country *	Lart Name *
taly	
Note	E-Mail
	Company *
	Generate Request
_	Generate Request
	Generale Request
zense State	Gererale Request
zone Sute Satu: Liconse not installed	Generate Persent
zense State Status: License not installed	Generate Pequet
cerus Sate Satua: License not installed	Generale Request
zenze Sate Statua: License not installed	Generate Pequet
ceros Bate Satur: License not installed	Generate Persent
onne Sute Status: Loome not installed	Generate Persent
ceres Sate Status: License not installed	Generate Request
conse Sute Satua: License not installed conse Prequett License Installation License Prequett	Generate Property
ceres Bale Status: License not installed seree Report: License Installation License Repuest To optane the license, please generate a new reque	Generate Pressent
cense State Status: License not installed Status: License Installation License Request To optane the license, please generate a new reque When you receive the license (PAK Rie), please sele	Generate Prevent
ceres Sate Status: License not installed arres Request License Installation License Request Userse Request Viten you receive the locense (PAK file), please sele Sate Info	Generate Piezuet est and send t.to: deavms.liconse@deasecurity.com ect the 'Lonne Installaton' tab in order to install t.
come Sute Status: License not installed zeres Request License Request Dispatre the Icense, please generate a new reque New no you receive license (PAK file), please sele Site Info Installation Ste *	Generate Request est and send its: deavma.license@deasecurity.com est the license.hubilation tab in order to instal it. User Mo first Name *
cerve Sate Satu: License not installed Satus: License not installed License Request Ucense Request Ven you receive the license (PAK (lie), please tole Ste Info Ste Info Ste Info Ste Info	Generate Plequet est and send t.to: dearms.liconse@deasecurity.com ect the Uonse Installatori tab in order to instal t. User Info Prit Tame ' Prodo
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come Sate Statu: License not installed come Property License Installation License Property License Program I See Info Instalation Ste * Ste Country * Nate Note	ent and send its: deaves. license@deasecurity.com et and send its: deaves. license@deasecurity.com et the Ucense Installation tab in order to instal it. User info First Name * Paolo Last Name * Paolo Ross * Not *
ceres Bale Status: License not installed Status: License Installed Ucense Request Ucense Request Vien yoursective the license (PAr (Re), please sele Status: Ste Info	Generate Piezuet est and send I.to: deavma.liconse@deasecurity.com ect the 'Lornse Installation' tab in order to instal I. User Info Paolo Lat Name ' Paolo Lat Name ' Paolo E.Mai ' pao
Centre State Statu: License not installed Statu: License not installed Ucense Request To optaine the license please generate a new reque When you receive the license (PAK file), please sete State County - Installation State - State County - Italy Notee TES1	Center Request ext and send to: dearms.license@deasecurity.com ext and send to: dearms.license@deasecurity.com ext ter Ucense Installation' tab in order to instal it. User Info Finit Name * Paolo Last Name * Pa
come Sate Satu: License not installed come Propert License Propert License Propert License Provente I come (PAK file), please sele Sate Info Instalation Sate * Sate Country * Nate TEST	ext and send to: dearms.license@deasecurity.com ext and send to: dearms.license@deasecurity.com User info Fint Name * Paob Lut Isaare * Paob Ext and * Paob
come Sute Statu: License not installed come Propert License Installation License Propert Very voir verve House generate a new reque See Info Instalation Ste * See Country * Nate TEST	ent and send its: dearms.license@deasecurity.com ent and send its: dearms.license@deasecurity.l

#### 2.3.2 **SOFTWARE LICENSE INSTALLATION**

DEA Security will reply with the software license (\*.lic) generated by the LicenseManagerGenerator that has to be installed on the computer using the LicenseManagerTool selecting the 'Load License' button and then the 'Install License' button.

Jest License Inst Load License 2021-03-23 10:44:16 2021-03-23 10:42:2 Site Info User Inf Italy Note TEST Company Rossi TEST Install Lice 161649265 2021-03-23 10:44:1 Remove License 2021-03-23 10:42:24 OK 2021-03-23 10:44:16 2021-03-23 10:42:24 Ste Info User Info Italy Note TEST Company Rossi TES Install License

After the installation is complete, the License Status field will display the following message: License installed.

If an error occurs, it is likely that the license that you intend to install is not compatible with this PC. The license is created so that it can only work on the PC where the request license was generated. If the error persists, check that the LicenseManagerTool application is activated as An Administrator.



DEAVMS AUTOMATICALLY READS THE LICENSE, SO IT IS NOT NECESSARY TO STOP ANY SERVICE.



#### 2.3.3 SOFTWARE LICENSE DEMO

The customer can request to use the DeaVMS in Demo mode for a temporary period. The Demo request must be added in the *Note* field during the *Software License Request* step.

Status: Demo mo	de	Demo: Demo expiration:	5 Days 2021-03-28 10:44:39	Read License
License ID:	1616492679	Date:	2021-03-23 10:44:39	Remove Licens
Request License ID:	1616492648	Date:	2021-03-23 10:44:08	

The validity of the license starts from its creation. Once the validity period has

expired, it will no longer be possible to reuse this Demo license. A new license will be thus required.

#### 2.4. SERVICE RESTART

To guarantee the identification of the DeaVMS plug-in in the Milestone VMS system, a "*XProtect Event Service*" service restart is needed.

The restart can be executed using the restart command on XProtect Event Service's IconTray or directly from the windows service panel by restarting the "XProtect Event Server" service (Shell direct command to open the services panel: *Services.msc*)

MANAGEMENT CLIENT

## MANAGEMENT CLIENT

After the plug-in installation, you can access the *XProtect Management Client* interface and find the DeaVMS in the *MIP plug-in* section where it will be possible to configure one or more DEA Security servers.



#### 3.1. CONFIGURING DEA MAP CONNECTION

The DeaVMS plug-in, through DEA-Map library, aims to provide services for communication with remote DEA Security devices using the encrypted protocol by DEA-Security.

#### **3.1.1 DEA MAP**

The data compiled in this section are necessary to all DEA Security Servers to recognize the DeaVMS plug-in and establish a connection with it.

That client credentials configured in XProtect must be added to all DEA Security servers that are to be configured, via the specific DEA Security tools, this activity is used to enable the communication between the DeaVMS plug-in and the DEA Security servers.

Once you have filled in the form with your credentials, you must save and start the communication through the 'Save and Restart' button.

The 'Align DEA configuration' button requires all configured DEA servers to transmit their current configuration so that the DeaVMS can align the new configuration in the XProtect system.

You must press this button whenever the

rollers 👻 무	Controller I	nformation	
Controllers Dealvet Ethernet P2P	DEA Map The Sec	Boards Client data are de unity servers.	are defined for creating a DEAVMS client and allow the communication between the DEAVMS plugin and the DEA must be address via dedicated DEA contractant tool Client Section: In all DEA Security servers.
	Ci	ent credentials —	
		IP Address Name	10.0.7.180
		Password	d I
		Port	8990 🛨 🚺
			Align DEA configuration           M         Serve and restart
	<b>%</b> ∙ I	DEA Map status:	stus: Initialization completed

DEA configuration changes (for example: added/removed/renamed of the zone/sectors). If changes are made in DEA configuration and this button is not pressed, XProtect won't be able to align with the new configuration.

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#### 3.1.2 **BOARDS**

In this section it is possible to view a list of DEA boards and view/edit their signal map. Each signal map defines the list of all possible signals managed by a specific board. The signal is categorized as: alarm, fault, tamper and has a level from 1 to 15 which identifies its severity.

The 'IsCustomized' column identifies if the signal map is different from the template. The Signal Map column allows to view the signal map for a specific board.

In the XProtect Smart Client, a description of the signal is shown in the 'Tag' column of the Alarm List and in the detail popup for all Zone objects.

<b>1</b> P2P	This se	ction allows t	view and change the default Signal Map for all DEA Boards.		
		Part Number	Board Name	IsCustomized	Sign Map
	•	4	SC-TR50-Z4	×	-
		8	SC-SR50-Z4		-
		14	SC-DN-IO		-
		19	SC-SR50-Z1		*
		20	SC-TR50-Z1		-
		21	AL-ON-DEAPW		2
		26	SC-SMCP50-Z1		2
		31	BR-SRP2P-CTRL		2
		34	SN-XS-DRM		4
		40	BR-XS-PU		2
		42	MD-XS-GR		2
		44	SN-XS-DR		20
		45	BR-XS-CTRL32		2
		46	BR-XS-CTRL64		1
		48	BR-SMCP50-Z2		2
		49	SN-XS-FWL		1
		51	BR-SR50-Z4		2
		52	BR-TR50-Z4		2
		53	BR-FSP2P-CTRL		2
		54	BR-SR50-Z2		2
		55	BR-TR50-Z2		1
		56	BR-SMCP50-Z1		2
		59	SN-XS-FDRM		2
		60	SN-XS-FDR		2

			This s	ection allows to vie	ew and d	ange the Signal configuration.	
	Part Number	Board Name					
	4	SC-TR50-Z4	P	art Number	14		
	8	SC-SR50-Z4	N 1	lame	SC-	N-IO	
•	14	SC-DN-IO		Signal		Description	^
	19	SC-SR50-Z1		Tamper 7		bracipion	_
	20	SC-TR50-Z1		Tamper 8			-
	21	AL-DN-DEAPW		Tamper 9			-
	26	SC-SMCP50-Z1		Tamper 10			-
	31	BR-SRP2P-CTR		Tamper 11			-
	34	SN-XS-DRM		Tamper 12			-
	40	BR-XS-PU		Tamper 13		TAGLIO CAVO	-
	42	MD-XS-GR		Tamper 14		TAMPER	-
	44	SN-XS-DR		Tamper 15			-
	45	BR-XS-CTRL32		Fault 1		WARNING DI LOW BAT	
	46	BR-XS-CTRL64	, ·	Fault 2			
	48	BR-SMCP50-Z2		Fault 3		MANCANZA RETE 230V	-
	49	SN-XS-FWL		Fault 4			
	51	BR-SR50-Z4		Fault 5		ACCENSIONE	
	52	BR-TR50-Z4		Fault 6		LOW BAT	- 1
	53	BR-FSP2P-CTR		Fault 7			
	54	BR-SR50-Z2		Fault 8			
	55	BR-TR50-Z2		Fault 9			
	56	BR-SMCP50-Z1		Fault 10			-11
	59	SN-XS-FDRM		Fault 11			
	60	SN-XS-FDR		Fault 12			-11
				Fault 13			
				Fault 14			
				Fault 15			-

Alarms <i>No filter</i> V								
	Time	Tag	Message	Source				
	14:40:46 23/03/2021	WARNING DI LOW BAT	Zona Fault	Net I/O DOOR (ROOM A-B)				



## 3.2. CONFIGURING A NEW DEA SECURITY SERVER

The plug-in allows you to communicate with multiple DEA servers. Please note that each DEA Server must be enabled to communicate with the DeaVMS plug-in (DEA Map).

#### 3.2.1 DEA MAP Server – DATA CONNECTION

To integrate a new DEA Security server, it is necessary to open the Controller panel within the XProtect Management Client and create a new server using the right mouse button.

Controllers 👻 म	Controller Information	* <del>4</del>
Controllers	Panel Zones/Detectors	Group Zones
121		
	Panel Name	DeaNet Ethemet
	DEA Map Server - I	Data Connection
	The DEA Map Ser configurator (Map S	ver data define the connection with a specific DEA Server. You can find this connection data in the DEA server Server section).
	ID	1 1
	Address	192.168.88.77
	Usemame	DeaMapSrv 🧾
	Password	••••••
	Port	8889 🔄 🚺
	Connection Typ	De
		Server Disabled
	H - Connection status:	: Connected

If you want to configure a new DEA Security server, it is necessary to fill all the required fields.

The 'Refresh DEA Status' button sends to the DEA system the refresh request, and then the DEA MAP sends the current status for each DEA object.

The 'Clean Sectors / Zones' button unregisters all the DEA objects from the XProtect system. Once you have pressed the button, wait a few seconds and then refresh the XProtect page so that XProtect can reload the objects registered.

#### This section lists all the zones / detectors read by DEA.

	 -								
Controllers  Controllers  P2P	Panel	Zones/Detectors	Group Zones						
T P2P	Th	is section allows to I order to display the	ink a specific Milestone camera to a DEA object camera when an event occur.	(Zone/Detector).					
		Zone ID	Zone Name VMS	Zone Name Dea	Related Camera	Add	Remove	IsCustom	SignalM
		0	27.000.034.373.C00: [0]	27.000.034.373.C00: [0]		4	×		
		1	Sisma MCA A4.170.0C3.CF6.111 [0]	Sisma MCA A4.170.0C3.CF6.111 [0]			×		*
		2	Sisma MCA A4.170.0C3.CF6.111 [1]	Sisma MCA A4.170.0C3.CF6.111 [1]			×		*
		3	Mz1-Serir 27.000.0DC.352.800 [0]	Mz1-Serir 27.000.0DC.352.800 [0]	Samsung Wisenet Came		×		\$
		4	Mz1-Serir 27.000.0DC.352.800 [1]	Mz1-Serir 27.000.0DC.352.800 [1]			×		*
		5	Net I/O V2 01.000.015.65A.BCA [0]	Net I/O V2 01.000.015.65A.BCA [0]			×		*
		6	Net I/O V2 01.000.015.65A.BCA [1]	Net I/O V2 01.000.015.65A.BCA [1]			×		\$
		7	Net I/O V2 01.000.015.65A.BCA [2]	Net I/O V2 01.000.015.65A.BCA [2]			×		\$
		8	Net I/O V2 01.000.015.65A.BCA [3]	Net I/O V2 01.000.015.65A.BCA [3]			×		\$
		9	Net I/O V2 01.000.015.65A.BCA [4]	Net I/O V2 01.000.015.65A.BCA [4]		<b>.</b>	×		*
		10	ENEL Net I/O V2 01.000.015.65A.BCA [5]	Net I/O V2 01.000.015.65A.BCA [5]	Pelco IxSx Series (192.1		×		\$
		11	Net I/O V2 01.000.015.65A.BCA [6]	Net I/O V2 01.000.015.65A.BCA [6]			×		\$
		12	Net I/O V2 01.000.015.65A.BCA [7]	Net I/O V2 01.000.015.65A.BCA [7]			×		\$
		13	Net I/O V2 01 000 015 65A BCA [8]	Net I/O V2 01 000 015 65A BCA [8]			×		**

It is possible to link a camera for each zone that will be displayed in the Alarm Preview section of the XProtect Smart Client when a XProtect alarm is created for this zone.

It is also possible to customize the signal map for each single zone.

#### 3.2.3 GROUP ZONES

In this section you can create a XProtect object that allows you to group multiple zones.

It is possible to link a camera for each group zone that will be displayed in the Alarm Preview section of the XProtect Smart Client when a Milestone alarm is created for this zone.

The group has a status that varies according to the states of its zones:

- Normal: all zones are Normal;
- Prealarm: at least one zone is prealarmed and the others are Normal;
- Alarm: at least one zone is alarmed and the others are Normal or Prealarm;
- **Tamper**: at least one zone is tampered and the others are Normal or Prealarm or Alarm;
- Fault: at least one zone is faulted and the others are Normal or Prealarm or Alarm or Tamper;
- Disable: at least one zone is disabled and the others are Normal or Prealarm or Alarm or Tamper or Fault;
- **Stand-by**: at least one zone is Stand-by status and the others are Normal or Prealarm or Alarm or Tamper or Fault or Disable;

The group also has the ability to send some commands to all its zones. The possible commands are:

#### Inclusion, Disable, Stand-by

#### 3.2.4 **Sector**

When communicating with a server, the plug-in is able to recognize the sectors configured on that DEA server. A sector is a logical object that groups zones to facilitate the sending of commands

Panel Zones/Detectors Gro	oup Zones			
This section allows to aggre	gate DEA zone/I	lines event to a specific group object .		
+ New Group			🗙 Remove 🗎	Save
Name	Name	GRUPPO 1 IO5-6		
GRUPPO 1 IO5-6				
Gruppo di test	Related car	mera: Pelco IxSx Series (192.168.88.99)	- Camera 1	<b>*</b>
	Zone ID	Zone Name VMS	▲ Zone Name Dea	Aggregate
	0	27.000.034.373.C00: [0]	27.000.034.373.C00: [0]	
	10	ENEL Net I/O V2 01.000.015.65A.BCA [5]	Net I/O V2 01.000.015.65A.BCA [5]	
	3	Mz1-Serir 27.000.0DC.352.800 [0]	Mz1-Serir 27.000.0DC.352.800 [0]	
	4	Mz1-Serir 27.000.0DC.352.800 [1]	Mz1-Serir 27.000.0DC.352.800 [1]	
	5	Net I/O V2 01.000.015.65A.BCA [0]	Net I/O V2 01.000.015.65A.BCA [0]	
	6	Net I/O V2 01.000.015.65A.BCA [1]	Net I/O V2 01.000.015.65A.BCA [1]	
	7	Net I/O V2 01.000.015.65A.BCA [2]	Net I/O V2 01.000.015.65A.BCA [2]	
	8	Net I/O V2 01.000.015.65A.BCA [3]	Net I/O V2 01.000.015.65A.BCA [3]	
	9	Net I/O V2 01.000.015.65A.BCA [4]	Net I/O V2 01.000.015.65A.BCA [4]	
	11	Net I/O V2 01.000.015.65A.BCA [6]	Net I/O V2 01.000.015.65A.BCA [6]	
	12	Net I/O V2 01.000.015.65A.BCA [7]	Net I/O V2 01.000.015.65A.BCA [7]	

## 3.3. CONFIGURING EVENTS AND ALARMS

The DeaVMS plug-in provides a new category of events called Dea 'VMS Events' composed by:

Controller Not Licensed

- Controller Off
- Controller On
- Group zones Alarm
- Group zones Disabled
- Group zones Stanbay
- Group zones Fault
- Group zones Normal
- Group zones Prealarm
- Group zones Tamper
- Zona Alarm
- Zona Disabled
- Zona Stanbay
- Zona SecLevel High
- Zona SecLevel Medium
- Zona SecLevel Low
- Zona SecLevel NA (Not Available)
- Zona Fault
- Zona Normal
- Zona Prealarm
- Zona Tamper

Each event can be associated with an alarm. In this way, the event is managed according to the rules defined by the configured alarm of XProtect System.

By default, it is necessary to create a new alarm in the Milestone VMS to be associated with the "Alarm" category, so that the DEA alarm events are managed as XProtect alarms. The following is how the default alarm should be configured to activate the DEA events handled as an alarm.

To view the details of the signal level of an event, it is necessary to import the 'Tag' column into the columns visible in the list of alarms.

	-
Select an Event X	;
<ul> <li>Events</li> <li>Hardware</li> <li>Devices</li> <li>External Events</li> <li>Recording Servers</li> <li>Other</li> <li>Dea/MS Plugin</li> <li>Dea/MS Events</li> <li>Controller Not Licensed (Dea VMS Events)</li> <li>Controller Off (Dea VMS Events)</li> <li>Controller On (Dea VMS Events)</li> <li>Group zones Alarm (Dea VMS Events)</li> <li>Group zones Fault (Dea VMS Events)</li> <li>Group zones Fault (Dea VMS Events)</li> <li>Group zones Standby (Dea VMS Events)</li> <li>Group zones Tamper (Dea VMS Events)</li> <li>Group zones Tamper (Dea VMS Events)</li> <li>Zona Alarm (Dea VMS Events)</li> <li>Zona Fault (Dea VMS Events)</li> <li>Zona Fault (Dea VMS Events)</li> <li>Zona Fault (Dea VMS Events)</li> <li>Zona SecLevel High (Dea VMS Events)</li> <li>Zona SecLevel Medium (Dea VMS Events)</li> <li>Zona SecLevel NA (Dea VMS Events)</li> <li>Zona Standby (Dea VMS Events)</li> <li>Zona SecLevel NA (Dea VMS Events)</li> <li>Zona Standby (Dea VMS Events)</li> <li>Zona Standby (Dea VMS Events)</li> <li>Zona Standby (Dea VMS Events)</li> <li>Zona SecLevel NA (Dea VMS Events)</li> <li>Zona Standby (Dea VMS Events)</li> <li>Zona Standby (Dea VMS Events)</li> </ul>	
OK Cancel	].

em Definitions 🗸 🕈 Properties		
Alam Definitions Alam definition		
- DEA Controller OFF Enable:	W.	
BLA Zone Alarm Name:	DEA Zone Alarm	
Instructions:		×
Trigger		
Triggering event:	Dea VMS Events	•
	Zona Alam	•
Sources:	All Zones	Select
Activation period		
Time profile:	Always	•
Event based:	Start:	Select
	Stop:	Select
Operator action required		
Time limit:	1 minute	•]
Events triggered:		Select
Other		
Related cameras:		Select
Related map:		•
Initial alarm owner:		•
Initial alarm priority.	High	•]
Initial alarm category.		•
Events triggered by alarm		Select
Auto close alarm:		

🖃 🎲 🔤 🔤 - (20.3a)	Alarm Data Levels Alarm List Configuration Reasons for Closing
	Available ookumns: Aram Category Name Location Object Photty Variel Sign Name Sign Name Na

3.4.

#### **CONFIGURING RULES**

The DeaVMS plug-in allows XProtect to use its events to generate rules.

An example to better understand the function of the rules is shown below. This rule is activated when any DEA group of zones is alarmed. It activates the output of a camera and deactivates it after 3 seconds.

Rules	A Group Zona Alarm A Zona Alarm	Name: DEA Group Zona Alarm		
De De	fault G fault Pl Manage Rule	-	ο×	
- De	fault R/ fault R/ Name: fault S/	DEA Group Zona Alarm		
- De	fault St Description:			
De De	fault St Active:			
11 58	nsung	Step 3: Actions		
	Select actions to	o perform		
	Start feed or Start feed or Stel ive fram Stel recordin Start patrolli Pause patrol Move defa Start patroli Start patrolli	i calevices i calevices g frame rate or calevices g frame rate or all frames for MPEG-4H 254M 255 or obvices> ng or calevices using condities with PT2 cpriority> ling or calevices cale to correct position with PT2 cpriority> sub to created position with PT2 cpriority> utput to orstate>	~	
	Edit the rule det Perform an actio from Al Group Set device outpr on Samsung Perform action 3 Set device outpr on <u>Samsung</u>	contento cicki a nuderlined tem) te di Zonza non Senti di Eleventa te di Zonza no Senti di Eleventa Marret Gamma 102, 168,88,1241-Octavet 1 macrosta dano 2016 (2017) macrosta dano 2016 (2017) macrosta dano 2016 (2017) Mannet Cammas 1152,155,88,1241-Octavet 1 Mannet Cammas 1152,155,88,1241-Octavet 1		

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## VIDEO CLIENT

#### 4.1. INTEGRATION

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Every object of the DeaVMS system can be visualized on a graphic map in the XProtect Smart Client. To add these objects to the map, it is necessary to switch into the configuration mode using the "Setup" button and then add the various DEA Security objects by clicking on the "Add plugin Element" button.

		DeaNet Ethernet	A P2P		
Registrazioni vetture Solaris		Dounde Euromot	1 21		
A A DeaNet Ethernet			i		-
Net I/O DOOR (ROOM A-B)	RTH (ROOM A)			Net I/	WINDOW (BOOM B)
Net I/O V2 01.000.015.65A.BCA [0]				1000	, , , , , , , , , , , , , , , , , , , ,
Net I/O V2 01.000.015.65A.BCA [1]			L		
Mz1-Serir EXTERNAL GARDEN					
Mz1-Serir 27.000.0DC.352.800 (0)			Net I/O DOOR (ROOM A-B)		
Net I/O WINDOW NORTH (ROOM A)					
Net I/O V2 01.000.015.65A.BCA [4]	BOOM A		Γ		
Net I/O V2 01.000.015.65A.BCA [7]				ROOM B	
Net I/O WINDOW (ROOM B)					
Net I/O WINDOW WEST (ROOM A)					
Sisma MCA A4.170.0C3.CF6.111 [0]					
Net I/O V2 01.000.015.65A.BCA [8]	DOOM N				
27.000.034.373.C00: [0]	ROOM A)				
Sisma MCA MAIN DOOR					
III WINDOWS (ROOM A)	v	VINDOWS (ROOM A)			
EFTORE A1		inteente (neenny			ROOM-B
🔜 ROOM-B					
TEST 🔤 TEST	RDEN			Sisma MC	A MAIN DOOR
4 😤 P2P					
Linea 1 - INTERNAL GARDEN					
Linea 2 - INTERNAL GARDEN					
01.000.017.7C6.F7D: [0]					
p2p Sect a1s1					and the second sec
p2p Sec a1s2	AL GARDEN				
PERIMETER INTERNAL GARDEN					
💐 Milestone XProtect Transact					_
					PERIMETER INTERNAL GARD

## 4.2. FEATURES

The object icons identify the status. When an object changes its status, the icon instantly changes its colour. The status of the object can also be monitored by clicking with the right mouse button the object itself and then clicking the status detail.

It is also possible to send commands directly to the DEA Security system just by clicking with the right mouse button on the object concerned and successively selecting the desired command.

The following are all the commands associated with the DEA Security objects.

Commands available for the Zone/Detector object:

- Inclusion
- Disable
- Stand-by
- SecLevel High
- SecLevel Medium
- SecLevel Low

Commands available for the Sector object:

- Inclusion
- Disable
- Stand-by
- SecLevel High
- SecLevel Medium
- SecLevel Low

Commands available for the Group zones object:

- Inclusion
- Disable
- Stand-by



**VIDEO CLIENT** 



## 4.3. Alarm

In case of alarm, the alarmed object will automatically be highlighted with a red circle.

By selecting the element and clicking the right button of the mouse, it will be possible to manage the alarm with the commands provided by XProtect.

All the alarms will appear in the dedicated "Alarm Manager" tab where you can view the list of alarms, alarmed objects, their position on the map and the associated cameras.



In the Tag column is reported the detail of the signal received from DEA system.

In this case the event is an alarm with level 10. In the signal map there is a description of this event for this specific board (SC-DN-IO).

Pan	el Zones/Detectors	Group Zones											
	This section allows to In order to display the	link a specific Milestone camera to a DEA objec camera when an event occur.	t (Zone/Detector).		9	Signal Ma	ар				_		×
Г	Zone ID	Zone Name VMS	▼ Zone Name Dea	Related Camera	1	_							
	10	Net I/O DOOR (ROOM A-B)	Net I/O V2 01.000.015.65A.BCA [5]		1	This sec	ction allows to vie	ew and ch	ange the Signal configuration	on.			
	5	Net I/O V2 01.000.015.65A.BCA [0]	Net I/O V2 01.000.015.65A.BCA [0]		1			_					
	6	Net I/O V2 01.000.015.65A.BCA [1]	Net I/O V2 01.000.015.65A.BCA [1]		1	Pa	it Number	14					
	4	Mz1-Serir EXTERNAL GARDEN	Mz1-Serir 27.000.0DC.352.800 [1]		1	Na	ame	SC-E	N-IO				
	3	Mz1-Serir 27.000.0DC.352.800 [0]	Mz1-Serir 27.000.0DC.352.800 [0]		l i		Signal		Departmention				_
	8	Net I/O WINDOW NORTH (ROOM A)	Net I/O V2 01.000.015.65A.BCA [3]		1		Alam 1		Description				
	9	Net I/O V2 01.000.015.65A.BCA [4]	Net I/O V2 01.000.015.65A.BCA [4]		11		Alam 2						-
	12	Net I/O V2 01.000.015.65A.BCA [7]	Net I/O V2 01.000.015.65A.BCA [7]		11		Alam 3						-
•	11	Net I/O WINDOW (ROOM B)	Net I/O V2 01.000.015.65A.BCA [6]	Pelco IxSx Series (192.1			Alam A						
	7	Net I/O WINDOW WEST (ROOM A)	Net I/O V2 01.000.015.65A.BCA [2]		11		Alam 5		PREALLARME				
	1	Sisma MCA A4.170.0C3.CF6.111 [0]	Sisma MCA A4.170.0C3.CF6.111 [0]		11		Alam 6						-
	13	Net I/O V2 01.000.015.65A.BCA [8]	Net I/O V2 01.000.015.65A.BCA [8]		Ш		Alam 7						-
	0	27.000.034.373.C00: [0]	27.000.034.373.C00: [0]		Ш		Alam 8						_
	2	Sisma MCA MAIN DOOR	Sisma MCA A4.170.0C3.CF6.111 [1]		Ш		Alam 9						
					Ш		Alam 10		WINDOW ALARM (Custom	Alam)			
					Ш		Alam 11		THE OT AD THE CONST	( , , , , , , , , , , , , , , , , , , ,			-
					Ш		Alam 12						-
					Ш		Alam 13						
					Ш		Alam 14						
					Ш		Alam 15						
					Ш		Tamper 1						
					Ш		Tamper 2		MANOMISSIONE DEA NE	т			
					Ш		Tamper 3						
					H		Tamper 4						~
					1					Default Value	Save	Ca	ncel
					L								



## 4.4. STATUS AND COMMANDS

This section defines the states and commands associated with the DEA objects.

#### 4.4.1 DEA SECURITY SERVER



## 4.4.2 **ZONE/DETECTOR**

Status:	
Normal	
Prealarm	
Alarm	
Tamper	
Disable	
Standby	
Not Defined	

#### Security level:

#### Commands: Inclusion

ExclusionStand-by

#### .

- Commands: SecLevel High
  - SecLevel Medium
  - SecLevel Low

## 4.4.3 SECTOR

The sector is a DEA logical object that groups zones. It is configured directly in the DEA system. The sector does not have a state but can propagate commands to all the zones associated with it.

#### Commands:

- Inclusion
- Disable
- Stand-by
- SecLevel High
- SecLevel Medium
- SecLevel Low

**VIDEO CLIENT** 



The group of zones is a DEAVMS object. It is configured directly in the DEAVMS plugin. The group of zones has a state and it's possible to propagate commands to all the zones associated with it.

#### Status:

o tatto:	
Normal	
Prealarm	
Alarm	
Tamper	
Disable	
Standby	
Not Defined	

#### Commands:

- Inclusion
- Exclusion
- Stand-by

## 4.5. DIAGNOSTIC/SECURITY LEVEL VIEW

In the XProtect Smart Client, it is possible to change the display of the zone states in diagnostic or security level. To manually change the display, use the following button:

MIP Plug-ins	^				
DeaVMS Control Panel					
View Mode: Security Level					
Diagnostic					

The diagnostic view is the default view. When the view is changed to security level, the diagnostic view is automatically show after 30 seconds.

The security level view is automatically shown whenever a security level command is sent.





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