

Tattile Vega plugin for Milestone XProtect Smart Client

Original Instructions for Installation

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Tattile srl - Via Gaetano Donizetti, 1 - 25030 Mairano (BS) Italy - Tel. +39 030 97000 - Fax. +39 030 97001 - info@tattile.com



Contact:

Tattile S.r.l. Via Donizetti 1/3/5 25030 Mairano– Brescia, Italy Ph. +39 030 97 000 Fax +39 030 97 001 http://www.tattile.com info@tattile.com



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1 About this Document

1.1 Scope of this Document

This document is intended to provide the user information about installation and use of Vega Plugin for Milestone XProtect Smart Client, as well as guidelines for the connection between Tattile cameras and the system.

1.2 Who this Document Is For

Summarizes the groups this document is aimed at, also specifying the pieces of information of main interest in order to better understand the described product.

Readership group	Description	Aim
End User	Operator	Supply all information on:
		Product usage
System integrator	IT administrator responsible for product integration and configuration.	 Supply all information on: Product installation Product characteristics Product usage

Table 1 - Who this document is for

1.3 Typographic Conventions

Summarizes typographic conventions and/or styles used in this document.

Convention	Meaning			
✓ Prerequisite	Preceding condition required before an action.			
► Action	Single action.			
1. Step	One of a sequence of actions.			
– Sub step	Additional steps of an action or a step.			
Intermediate outcome	Result of a step.			
→ Outcome	Result of an action or a sequence of actions.			
2. List	List of elements.			
– Sub list	Additional elements of a list.			
Save	Buttons, windows, tabs; software modules.			
[CTRL]	Keyboard strikes			
true	Inserted or selected value.			
"Finished OK"	Program messages.			
Ta	bla 2 Typographic conventions			

Table 2 - Typographic conventions



f

DANGER! Type and source of danger! (indicates a hazardous situation, that if not avoided, will result in death or serious injury)!

Possible consequences (optional).

▷ Preventive measure.

NOTICE! Type and source of danger! (used to address practices not related to physical injury)!

Possible consequences (optional).

▷ Preventive measure.

Useful suggestion or additional information.

▷ Preventive measure.



2 Introduction to Tattile Vega Plugin

2.1 Scope and Use of the Product

Tattile Vega Plugin is the plugin for Milestone XProtect Smart Client, designed to full integrate the Tattile Vega camera with Milestone VMS. Its main features are:

- 1. Retrieve and show the events archived in the Milestone VMS. Basically, the Tattile Vega camera send to Server Milestone two event types:
 - LPR/ANPR events: triggered by the process LPR/ANPR that generate metadata related to Licence Plate Number and vehicle's characteristics.
 - Diagnostic events: triggered by diagnostic process that generate metadata related to status of the camera's sensor.
- 2. Filter events of type: LPR and Diagnostic.
- 3. Manage Camera Check Lists.

The network architecture used to integrate Tattile camera in Milestone VMS is composed by:

- 4. Tattile vega camera
- 5. Public/Private Network
- 6. Milestone Xprotect Management Client
- 7. Milestone XProtect Smart Client



Figure 1– Network Architecture



2.2 Graphical User Interface

After the login, main page presents two additional tabs:

- History
- Diagnostic



Figure 2 - Graphical user interface

2.3 History Plugin

History Plugin allow the user to show all ANPR metadata generated by the process ANPR internal to Tattile Camera. The LPR/ANPR metadata are related to the licence plate number, vehicle's characteristics, images OCR and Context.

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The History Plugin is shown below:

Figure 3 - History tab

The table lists the available elements of the device list table and the corresponding context information.

Element	Description
Tee 1015/015/000 (2+ 76 12/14/2019/00/20 (2+	Filter elements by date/time
License plate number	License plate number
Camera Name	Device name
Date/Time	Event Time
Date/Time UTC	Time in GMT
Vehicle Brand	Vehicle brand, if BCC is active in Tattile camera
Vehicle Class	Vehicle class
Vehicle Color	Vehicle Colour, if BCC is active in Tattile camera
Vehicle Model	Vehicle model, if BCC + M is active in Tattile camera
Latitude	Geographic coordinate, if GPS is active in Tattile camera
Longitude	Geographic coordinate, if GPS is active in Tattile camera
Country	License plate country
Region	License plate region
Plate Color	License plate colour
Speed	Vehicle speed
Image OCR	Image representative of the event
Image Context	Colour image of the event, only from camera with colour sensor
Time stamp	Event timestamp
OCR event	OCR event description (OCR read; OCR Not Read; No plate)
Image OCR Image Context Time stamp OCR event	Image representative of the event Colour image of the event, only from camera with colour sensor Event timestamp OCR event description (OCR read; OCR Not Read; No plate)

Table 3 - List of fields of History table

The Filter area allows to select between different fields:

Element	Description
Camera Name	Device name
Vehicle Classes	Vehicle Class
Vehicle Brand	Vehicle Brand, if BCC is active in Tattile camera
Vehicle Model	Vehicle Model, if BCC + M is active in Tattile camera
License plate number	License plate number
OCR event	OCR event description (OCR read; OCR Not Read; No plate)
Region	License plate region
Country	License plate country
Plate Color	License plate Colour
Vehicle Color	Vehicle Colour, if BCC is active in Tattile camera
Checklist	Lists of license plate
	Table 4 - Filters list of History table

Table 4 - Filters list of History table



«	\land Cameras	Clear All Select All				
Filter Pau	✓ Universal 1 ✓ Universal 1 ✓ Universal 1	nannel driver (172.25.85.22) - Camera 1 nannel driver (172.25.85.151) - Camera 1 nannel driver (127.0.0.1) - Camera 1				
le	😞 Vehicle (sses Clear All Select All				
	✓ CAR ✓ CAR WITH TRAILER ✓ LORRY ✓ LORRY WITH TRAILER					
	✓ BUS ✓ MOTORCYC ✓ UNKNOWN ✓ MOTORCYC	E-MOTORBYKE E				
	 ✓ MOTORBYK ✓ OTHERS ✓ VAN ✓ HEAVY TRL ✓ LIGHT TRU 	ĸ				
	Vehicle Brand:					
	Vehicle Model:					
	Plate number:					
l	OCRevent	🗸 Read 🔽 Not read 🔽 No plate				
	Region:	ALL	•			
	Country:	ALL	•			
	Plate color:	ALL	•			
	Vehicle Color:	ALL				
	Checklists:	List_A List_B Manage				

Figure 4 - History filter panel



Figure 5 - Double click event details



2.3.1 Checklist management

License plate list management represents another feature of the Tattile Vega plugin, which can be accessed through the button "Manage".



Refer to Vega Manual for further information.

	Checklis	sts			- • ×
Camera	Universal 1 channel driver (172.25.85.22) - Camera 1	Selecte	ed checklist		
List	List_B 🗸		Plate	Country Note	
- Checklists	Management		AAAFFF	ITA M TEST CAR 1B	
Upload	d Download Reload Delete	Þ	DNX185		
		Ado	d row	Delete row	
Save	Cancel				

Figure 7 - Checklist management dialog

Lest side of the dialog page relates to checklists management, while on the right it is possible to operate on the license plates stored in the selected list.

Checklist management

•		Checklis
Camera	Universal 1 channel driver (172.25.85.22) - Camera 1	-
List	List_B	•
- Checklists	Management	
Uploa	d Download Reload Delete	
Save	Cancel	

Figure 8 - checklists management



Function	Description
Camera	List of available Tattile cameras
List	List available stored on selected Tattile camera
Upload	Select from the local PC a list and upload to the camera, this operation overrides the selected list.
Download	Download as txt file the selected list.
Reload	Reload the list of license plate in the right side
Delete	Delete the selected list
	Table 5 - Checklist management features

List management

_ Selecte	d checklist		
	Plate	Country	Note
	AAAFFF	ITA 🚩	TEST CAR 1B
Þ	DNX185	ITA 🚩	I
Add	row	Delete r	ow

Figure 9 - license plate management

Function	Description
Plate	License plate number
Country	Country ISO alpha-3 formats
Note	Additional notes.
Add Row	Add a row in the list above.
Delete Row	Delete the selected row
	Table 6 - Lict management features

Table 6 - List management features



2.3.2 Showing MatchList_A/B alarms in Alarm Manager

When Vega camera recognize vehicle which licence plate number match with ones in "Checklist A" or "Checklist B", a corresponding alarm "MatchList_A" or "MatchList_B" will be show in the Alarm Manager plugin, as shown below:

Search	Alarm M	anager 😥	Property	WorkSpace P	tugin 🐢	Diagnostic	Histor	y Ric	SEL Alarms	System I	Monitor	+ 0 1
												Setup
elected ***						wersal 1 channel driver No recordings Driversal 1 chann Canters 1 http://downint2.t	(17225885151) s available. ni driver (17225 attile locat 2563)	Camera 1 - 23/0. 185.151j -		1	-	
					Moss Dufini Type: Sourc Sourc Custo Objec Vendt Locat	sger Millon Lait B.A LarEvinit a: Universal Tichann mTagi Tagf romXML a EY3901C a: Tagtie St un	larm el deiver (172.21	3.85.151) - Cae				
						14(20)	1430 -41 -4	24/04/28	81 14:45	5:42.437 11	•	15:10
Alarms	No filter 💙										Reports	1-100
1	ii i	State Level	State Name	Message	Source			10	Vendor	Teg	Object	
1	4:42: <u>22</u> :24XM/2001		(New)	Mannald_0	Universit	17 charged driver (17	2.2500 101) -	-222339101	Tattin Sil	TegrinensMil	PANA0101	
199 14	4:01:45 24/04/2020	1	New	MatchList_A	Universal	11 channel driver (17	2.25.85.22) - C	221784	Tunie Sri	TagFromX0ML	ES232CS	
Q	8:54:08:24/04/2020		New	VegaEvent	Universe	I 1 channel driver (17	2.25.85.151) -	221788	Tuttile Sid	TagFromXML		
G	8:45:56 24/04/2020	10	Now	VegaEvent	Universe	I 1 chiannel driver (17	2.25.85.151) -	221786	Tatilio Sri	TagFromXML		
0	8:45:42 24/04/2020		Now	VogaEvent	Universal	I 1 channel driver (17	2.25.85.151) -	221785	Tanie Srl	TagFromXML		
0	8:36:35 24/04/2020		New	VegaEvent:	Universal	11 channel driver (1)	2.25.85.151) -	221783	Tattle Srl	TagFromXML		

Figure 10-Alarm Manager

Alarm manager Plugin is a plugin Provided in XProtect Smart client. The main data reported in the plugin are described by the table below:

Element	Description
Time	Event Date and time
Message	Event Name
Source	Name of the camera
Vendor	Vendor oh the camera
Тад	Format of event received
Object	Contains metadata that for the events: "MatchList_A" or "MatchList_B", are initialized by the licence plate number that match with "Checklist A" or "Checklist B" loaded in Camera.



2.4 Diagnostic Plugin

Diagnostic Plugin show all Diagnostic metadata, generated by the diagnostic process, related to status of the camera's sensor.

The	Diagnostic	Plugin	is	shown	below:
ITTE	Diagnostic	riugiii	13	3110 0011	DEIOW.

From 10/13/2	019 00:00	Te 10/1	4/2019-00-00	I +						(2) 7 Hidden D	dumni
Camera Name	Statue	DaterTime	Lattude	Crypto	Gps	Humidity	Temperature	Plate Reader	Process	Secure Digital	Talext
Universal I Una-	DIAG_WARNING	13/10/2019 19	+0.0000000	ок	WARNING	OK		ОК	GK:	OK	ОК
Universal 1 cha.	DIAG_WARNING	13/10/2019 10	+0.0000000	OK	WARNING	ок		ОК	αĸ	OK	OK
Universal 1 cha.	DMG_WMANING	13/10/2019 18.	+0.0000000	OK	WARNING.	OK		OK	0K	ok	OK .
Universal 1 cha.	DIAG, WARNING	13/10/2019 19	+0.0000000	OK	WARNING	ок		OK .	OK:	OK.	ок
Universal 1 cha.	DIAG_WARNING	13/10/2019 19	+0.00000000	ок	WARMING	OK		ок	OK .	OK	OK
Unversai 1 cha.	DIAG_WARNING	13/10/2019 19	+0.0000000	OK	WARNING	OK .		OK.	OK.	OK	OK.
Universal 1 chm.	DIAG_WARNING	13/10/2019 19	+0.0000000	GК	WARNING	OK .		ок	OK:	OK	OK .
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Universal 1 cha.	DIAG_WINRING	13/10/2019 19	+0.0000000	OK	WARNING	OK.		ок	OK:	OK	OK
Universal 1 cha.	DWO_WARNING	13/10/2019 19	+0.0000000	OK.	WARNING	OK:		ок	¢К	OK	OK
Universal 1 cha	DIAG_WARNING	13/10/2019 19	+0.00000000	ок	WARNING	OK .		OK.	OK.	ак	OK-
Universal 1 cha.	DIAG_WARNING	13/10/2019 18	+0.0000000	OK	WARNING	OK		OK	OK	OK:	OK

Figure 11 - Diagnostic tab

Information about the device list table is reported in Table 8.

Element	Description
fee 10/15/2010/00 =+ 11: 15/14/2010/00 ==+	Filter elements by date/time
Camera Name	Device name.
Date/Time	Event Time
Date/Time UTC	Time in GMT
Latitude	Geographic coordinate, if GPS is active in Tattile camera
Longitude	Geographic coordinate, if GPS is active in Tattile camera
Status	Device status, as consequence of the other parameters
Consumption	Current consumption status
Context camera	Colour sensor status, only from camera with colour sensor
Crypto	Images encryption keys status
External Illuminator	External Illuminator status
GPS	GPS status, if GPS is active in Tattile camera
Humidity	Status associated to Humidity condition.
Temperature	Status associated to Temperature condition.
OCR camera	Status associated to camera acquisition.
Plate Reader	Status associated to OCR configuration.
Tilt	Status associated to inclination camera.
Time Sync	Status associated to Time synchronization.
Detector	Detector Status, used to advanced diagnostic.
Process	Status associated to Processes in execution, used to advanced diagnostic.
Tatext	TatExt status, used to advanced diagnostic.
	Table 7 - List of fields of Diagnostic table



3 Installing the plugin

3.1 System Requirements

Milestone XProtect Smart client and MIPSDK must be installed.

3.2 Installing the Plugin

Following steps are required in order to properly install Vega Plugin software tool:

 Launch the executable file to start the installation wizard. The Select Setup Language dialog is displayed.



Figure 12 - Choose language

2. From the drop-down menu select the desired language and click **OK**.

The **Select Destination Location** window is displayed.



Figure 13 - Choose storage folder

- 3. Click the **Browse** button to select the installation folder:
 - For 64-bit version of smart client, the path is set by default to:
 C:\Program Files\Milestone\MIPPlugins\
 - For 32-bit version of smart client, replace the suggested path with:
 C:\ Program Files (x86)\Milestone\MIPPlugins\



4. Click **Next** to continue.

If the folder contains older version of the plugin, the following message will be shown. Click "Yes" button to proceed by installation.



The **Select Components** window is displayed.

6	Setup - MIP-Tattile version 0.2	x
Select Co Which c	omponents components should be installed?	(1)
Select ti install. (the components you want to install; clear the components you do not want to Click Next when you are ready to continue.	0
Full Ins	stallation	× .
Full Ins	stallation	
History Diagno:	/ Installation Istic Installation	
	< Back Next > C	ancel

Figure 15 - Select components

- 5. The setup installs two plugins: "Diagnostic" and "History".
 - To install both plugins, select: "Full Installation"
 - To install only "History" plugin, select "History Installation"
 - To install only "Diagnostic" plugin, select "Diagnostic Installation"

After selecting the plugin to be installed, click "Next" button to continue.



The **ready to Install** window is displayed.

B	Setup - MIP-Tattile version 0.2
	Ready to Install Setup is now ready to begin installing MIP-Tattile on your computer.
	Click Install to continue with the installation, or click Back if you want to review or change any settings.
	Destination location: C: \Program Files \Milestone \MIPPlugins
	Full Installation Selected components:
	Diagnostic Plug-In Camera Plug-In
	< >>
-	
	< Back Install Cancel

Figure 16 - Setup recap

6. Click **Install** to continue.

A progress bar shows the installation progress.

The final window is displayed.



Figure 17 - Setup completed

- 7. Click **Finish** to end the setup and launch the application.
- → Tattile Plugin is correctly installed on your PC.



3.3 Plugin License

When install the plugin for the first time, need to license the plugin.

· Mile	done	XProtect	Smart (liest						_												- 1	6/03/26	89 14:31:56		×
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Figure 18- plugin view

A dialogue window will open to manage the license request and when to receive the license to apply it.

-		\times
_	-	-

The license is supply by Tattile, for request write to FAE_Tattile@tattile.com.

Figure 19 - License dialog

To make a request of License, press button "Request License", will generate a file "LicenseRequest.dat", send this file to Tattile support to receive the right License file.



gia pia percenta colla collegamenta	Sporta Copie In an	Elevers Records	Nuova Nuova Nuova	Proprietà	Apri - Modifica Cronologia Apri	Seleziona tutto Deseleziona tutto Inverti selezione Seleziona
+ Documenti +	Tattile + Licenze	 Milestone 			~ O	Cerca in Milestone
Norrie	÷.	u	ltima modifica	3	ipa.	Dimensione
LicenceR	equest,dat	1	6/03/2020 14:33		Ne DAT	1 KB

Figure 20 - License request file

When receiving the license "License.dat", press the button "Apply Licence", a browse file dialogue will open to select the license file.

When choosing the right file, a confirm box is prompted.



Figure 21 - license confirm

It's possible to see the status of license through the about button of the plugin.

🖳 Licence Manager	_	×
Licence GUID: eec80921-c86d-45f2-9081-2746	Ga8c09bf6	
Number of Cameras: <u>5</u>		
Expiration date: Unlimited		
Request Licence Apply Licence		

Figure 22 - about license dialog



4 Using the Plugin

4.1 Filtering the lists

The plugin allows for the selection of different filters:

8. Start date/time and end date/time.

From:	10/13/2019 00:00		To:	10/14/2019 00:00		
Figure 23 - Field to select date and time						

- 9. Select the events of one or more cameras.
- 10. Specify text for the fields of events.

Cameras Clear Select
✓ Tattile F01761 (172.25.85.7) - Camera 1 ✓ Tattile F01761 (172.25.85.7) - Camera 1 ✓ Universal 1 channel driver (172.25.85.3) - Camera 1 ✓ Tattile F01765 (172.25.85.150) - Camera 1 ✓ Tattile F01765 (172.25.85.151) - Camera 1 ✓ Tattile F01765 (172.25.85.151) - Camera 1 ✓ Tattile F01761 (172.25.85.151) - Camera 1 ✓ Tattile F01761 (172.25.85.151) - Camera 1 ✓ Tattile F01761 (172.25.86.1) - Camera 1 ✓ Universal 1 channel driver (172.25.86.6) - Camera 1 ✓ Universal 1 channel driver (172.25.86.1) - Camera 1 ✓ Universal 1 channel driver (172.25.81.106) - Camera 1 ✓ Universal 1 channel driver (172.25.81.106) - Camera 1 ✓ Universal 1 channel driver (172.25.81.100) - Camera 1 ✓ Tattile F01766 (172.25.85.8) - Camera 1 ✓ Universal 1 channel driver (172.25.81.100) - Camera 1 ✓ Tattile F01761 (172.25.85.9) - Camera 1 ✓ Tattile F01761 (172.25.85.9) - Camera 1 ✓ Tattile F01761 (172.25.85.9) - Camera 1 ✓ Universal 1 channel driver (172.25.85.2) - Camera 1 ✓ Universal 1 channel driver (172.25.85.2) - Camera 1 ✓ Universal 1 channel driver (172.25.85.2) - Camera 1 ✓ Universal 1 channel driver (172.25.85.2) - Camera 1 ✓ Universal 1 channel driver (172.25.85.2) - Camera 1 ✓ Universal 1 channel driver
Vehicle Classes Clear Select
CAR CAR WITH TRAILER CAR WITH TRAILER LORRY LORRY WITH TRAILER SUS MOTORCYCLE-MOTORBYKE UINKNOWN MOTORCYCLE MOTORBYKE MOTORBYKE OTHERS VAN VAN LIGHT TRUCK LIGHT TRUCK
Vehicle Brand:
Vehicle Modet
License plate number.
OCR event: Read Not read 🗸 No plate
Region: ALL
Country: ALL
Plate color: ALL
Vehicle Color: ALL

Figure 24 - list of fields to filter results



4.2 Add Column to list

This function allows the user to select the column visible in the list.



11. By clicking on the button, a dialog window opens, showing all the possible filters to be chosen.

History columns ×
History columns
✓ Image OCR ✓ Image Context ✓ TimeStamp Hide All Show All OK Cancel

Figure 26 - list of columns

Button	Description
Hide All	All filters are added, thus avoiding event visualization.
Show All	All filters are selected, so that all the fields are shown
ОК	Save the selection and close the window.
Cancel	Delete the changes and close the window.
Table 8	3 - List of button column window



4.3 Double click row (only for History)

This function allows the user to open a window with all the details of events.



Figure 27 - History detail window

Button	Description
Previous	Navigate to the previous event.
Next	Navigate to the next event.
Close	Close the window.
Table 9	9 - List of button details window



5 Configuring camera to send metadata

Information about how to connect and setup camera and server are reported in **Vega User Manual**. The purpose of this section is to state the procedure required to configure the camera in order to send events to **Milestone XProtect Management Client**.

The functionality is available from firmware version 12.45 released in October 2019.

5.1 Configuring Vega Camera to send LPR metadata

In order to configure Vega camera to send LPR metadata is necessary follow the next steps:

- 1. Open the Vega Web Page
- 2. In the main page select "Event/Action"

		Configuration	Number Plate Reader	
Plate Reader	Camera Context	Camera Oct	General	Plate Reader System
Events Actions	Check List	Digital Trigger	Lane Config	
Statistics	Text Result	Trage Result	Remote Camera	
The second secon	Check List	Digital Trigger	Lane Config	

Figure 28-Main page Vega camera

- 3. In the matrix "Event/Action" select the elements:
 - TCP Message on OCR Read
 - TCP Message on OCR Not Read
 - TCP Message on No Plate

System	Actions / Events	Send Image FTP	Save DB FTP	Pulse Out	Com485 Message	TCP Message	Template Message	Send Image FTP 2	Save DB FTP 2	TCP Message 2	SD Saving	Save DB SD
	Ocr Read	1	0	0	0	0	0	0	0	0	0	0
	Ocr Not Read	0	0	0	0	0	0	0	0	0	0	0
	Ocr No Plate	0	0	0	0	0	0	0	0	0	0	6
	Match On List A	0	0	0	0	0	0	0	0	0	0	0
	No Match On List A	0	0	0	0	0	0	0	0	0	0	0
	Match On List B	0	0	0	0	0	0	0	0	0	0	0
	No Match On List B	0	0	0	0	0	0	0	0	0	0	0
	Start Trigger			0								
	Stop Trigger			0								
	System Diagnostic		0	0	0	0			0	0		
	Changed Input		0			0			0	0		

Figure 29 - Vega camera Event Action web page



In the page of TCP Message configuration set the following fields:

Element	Description
Enable	Enable the message
Message format	Type of message, select MILESTONE_PLUGIN for Tattile Vega Plugin.
Server Name / IP	The IP Address of Milestone XProtect Management Client
Server Port	The TCP/IP port, set to 9090
Event Name	The name of event registered in XProtect Management Client
Conditional execution	Set condition to send the event, set Always

Table 10 - List of elements TCP Message on OCR Read web page

Oran and		Automatic Number Plate Reader	
	TCP Message on Ocr F	Read	
Plate Reader			
System	Enable	YES V	
	Message format	MILESTONE_PLUGIN V	
	Jpeg Quality	75	
	Crop Image(*)	PLATE •	
	Plot Box	NO T	
	Context Jpeg Quality	75	
	Resize Ctx Image	DISABLED	
	Ctx Plot Box	NO T	
	Pixelate Region(*)	NO T	
	Text Position	TOP_LEFT •	
	Text Dimension	1X •	
	Text Options	NONE •	
	Text Value	%PLATE%DATE%TIME	HELP
	Server name/IP	172.25.6.12	
	Server Port	9090	
	Event Name	VegaEvent	
	Conditional execution	ALWAYS •	
	Buffering on SD	NO V	
	(*): only for OCF	R Read or Not Read, pixelate ctx image region Reset Apply	
		<u>Previous Page</u>	

www.tattile.com

Figure 30 - Tattile camera OCR Read web page



5.2 Configuring Vega Camera to send Diagnostic metadata

In order to configure Vega camera to send Diagnostic metadata is necessary follow the next steps:

- 1. Open the Vega Web Page
- 2. In the main page select "Event/Action"

E	VEGR	- Automatic Nu	mber Plate Reade	r 100
	Number Plate Reader	r Configuration		
Plate Reader System	General	Camera Oct	Camera Context	VI Plate Reader
	Lane Config	Digital Trigger	Check List	Events Actions
	Remote Camera	Trage Result	Text Result	Jatistics
	Video Streaming			

Figure 31-Main page Vega camera

3. In the matrix "Event/Action" select the element: TCP Message/System Diagnostic

Plate Reader												
System	Actions / Events	Send Image FTP	Save DB FTP	Pulse Out	Com485 Message	TCP Message	Template Message	Send Image FTP 2	Save DB FTP 2	TCP Message 2	SD Saving	Save DB SD
	Ocr Read	1	0	0	0	0	0	0	0	0	0	0
	Ocr Not Read	0	0	0	0	0	0	0	0	0	0	0
	Ocr No Plate	0	0	0	0	0	0	0	0	0	0	6
	Match On List A	0	0	0	0	0	0	0	0	0	0	0
	No Match On List A	0	0	0	0	0	0	0	0	0	0	0
	Match On List B	0	0	0	0	0	0	0	0	0	0	0
	No Match On List B	0	0	0	0	0	0	0	0	0	0	0
	Start Trigger	_		0								
	Stop Trigger			0								
	System Diagnostic		0	0	0	0			0	0		
	Changed Input		0			0			0	0		

Figure 32- Vega camera Event Action web page



4. In the page of TCP Message configuration set the following fields:

Element	Description
Enable	Enable the message
Message format	Type of message, select MILESTONE_PLUGIN for Tattile Vega Plugin.
Server Name / IP	The IP Address of Milestone XProtect Management Client
Server Port	The TCP/IP port, set to 9090
Event Name	The name of event registered in XProtect Management Client
Conditional execution	Set condition to send the event, set Always

 Table 11 - List of elements TCP Message on OCR Read web page

EE	VEGA.	Automatic Number Plate Reader
	TCP Message on Syste	m Diagnostic
Plate Reader		
System	Enable	YES •
	Message format	MILESTONE_PLUGIN ·
	Server name/IP	172.25.6.12
	Server Port	9090
	Event Name	VegaEven
	Conditional execution	ALWAYS •
	Buffering on SD	NO •
	(*): only for OCR	Read or Not Read, pixelate ctx image region
		Reset Apply
		Previous Page
	Figure 33	P-Vega camera System Diagnostic web page

5. In order to send Diagnostic metadata each interval time, for example each one minute, navigate to System Vega web page and click Configuration:



Figure 34-System Vega web page



6. The Diagnostic page, enable the user to set a lot of parameters, in which the field "Message repeat time [min]" allow to set the interval time to send diagnostic messages:

Configuration	
Installation paramete	rs
Current angles (°)	Tilt: 13.7 Roll: -1.0 Help
Installation angles (°)	Tilt: 20.0 Roll: 0.0
	Road inclination: 0.0
Camera height (cm)	Titt angles: positive downwards fiell angles: positive clockwise 600
Working limits	
Temperature range (°C)	Min: -10 Max: 75
Humidity range (% rel)	Min: 0 Max: 40
Current range (mA)	Min: 300 Max: 1100
Voltage range (mV)	Min: 21600 Max: 26400
Context Optical Density	Th1: 40 Th2: 45
Tilt range (°)	+/- 10.0
Roll range (°)	+/- 15.0
Max consecutive No-Plate	200
Diagnostic message h	andling
Message repeat time [min	1 (set to "0" for no alarm repetition)
Generate warning messag	YES V
Generate end of alarm me	asages: YES V
Generate periodic messag	NO V
Manage configuration stat	NO V
Optional diagnostic fi	elds
Context Optical Density:	NO V
Buffering Partition:	NO 🔻

Figure 35-Diagnostic Vega web page



5.3 Configuring Vega Camera to send MatchList_A/B metadata

In order to configure Vega camera to send MatchList_A or MatchList_B metadata, when is recognized a licence plate number that match with Checklist A or Checklist B respectively, is necessary follow the next steps:

- 1. Open the Vega Web Page
- 2. In the main page select "Event/Action"

Context 🔛 Plate Reader
t Events Actions
alt 🛃 Statistics

Figure 36-Main page Vega camera

- 3. In the matrix "Event/Action" select the elements:
 - Template Message/Match On List A
 - Template Message/Match On List B

Plate Reader												
System	Actions / Events	Send Image FTP	Save DB FTP	Pulse Out	Com485 Message	TCP Message	Template Message	Send Image FTP 2	Save DB FTP 2	TCP Message 2	SD Saving	Save DB SD
	Ocr Read	1	0	0	0	0	0	0	0	0	Ò	0
	Ocr Not Read	0	0	0	0	0	0	0	0	0	0	0
	Ocr No Plate	0	0	0	0	0	0	0	0	0	0	0
	Match On List A	0	0	0	0	0	0	0	0	0	0	0
	No Match On List A	0	0	0	0	0	0	0	0	0	0	0
	Match On List B	0	0	0	0	0	0	0	0	0	0	0
	No Match On List B	0	0	0	0	8	0	0	0	0	0	0
	Start Trigger	_		0								
	Stop Trigger			0								
	System Diagnostic		0	0	0	0			0	0		
	Changed Input		0			0			0	0		

Figure 37- Vega camera Event Action web page



The main fields to be set in the Template Message page are the following:

Element	Description
Enable	Enable the message
Server Name / IP	The IP Address of Milestone XProtect Management Client
Server Port	The TCP/IP port, set to 9090
Protocol	TCP_RAW

Table 12 - List of elements TCP Message on OCR Read web page

Template Message on Match On List A

Enable	YES •	
Server name/IP	172.25.6.12	
Server Port	9090	
Protocol	TCP_RAW •	
Reuse Connection	NO *	
Jpeg Quality	75	
Crop Image(*)	DISABLED .	
Context Jpeg Quality	75	
Resize Ctx Image	DISABLED *	
Text Position	TOP_LEFT .	
Text Dimension	1X •	
Text Options	NONE *	
Text Value	%PLATE%DATE%TIME	HELP
Buffering on SD	NO ·	
Template	Upload Page	
	Reset Apply	
	Previous Page	

Figure 38-Template Message on Match On List A

4. If the template for metadata MatchList_A or MatchList_B is not present, upload it by clicking the "Upload Page" hyperlink:

Enable	VES .	
Ennine Ennine name/IP	172.05.8.13	
Server narmeyer	0000	
Protocol	TCP RAW Y	
Reuse Connection	NO .	
Jpeg Quality	75	
Crop Image(*)	DISABLED .	
Context Jpeg Quality	75	
Resize Ctx Image	DISABLED •	
Text Position	TOP_LEFT .	
Text Dimension	1X *	
Text Options	NONE *	
Text Value	%PLATE%DATE%TIME	HELP
Buffering on SD	NO .*	
Template	Upload Page	
10.5 150.057		
	Reset Apply	

Figure 39-Template Message on Match On List A



5. Upload the template "MatchList_A" or "MatchList_B", by clicking "Browse..." button

Temp	olate Message			
	Upload a template file to	e sent on events. If the corresponding	action is selected the file will be sent v	with the user provided tags
	substituted			

Figure 40-Template Upload web page

6. Select the template: "Template_Milestone_MatchListA" or "Template_Milestone_MatchListB" And click "Open" button:

9			Choose F	ile to Upload				×
🕣 🕤 • 🕆 膨	▶ Ter	nplat	es	~ C	Sear	ch Templates		p
Organize * Nev	w fold	er				11	•	0
🔆 Favorites	-	1	lame	*		Date modi	fied	Typ
E Desktop	-		Template Milesto	ne MatchListA		02/04/202	Te	
Downloads Scent places			Template_Milesto	ne_MatchListB		0 14:33	Te	
this Df	~	<		m				>
File name:				3	~ C	ustom Files (*.txt)	~
					Г	Open	Cance	10 Î

Figure 41-Choose File to upload

7. The template is selected but not yet loaded to camera. To be update the template click "Upload Template" button:

emp	olate Message			
	Upload a template file to be sent on events. Is substituted	the corresponding action is	selected the file will be sent with the user provide	ed tags





8. The message below, advise that the template is now available:

Template is now available

Previous Page

Figure 43-Advise message page

9. The green led advise the user that the template loaded is valid:

 Template Upload

 Template Message

 Upload a template file to be sent on events. If the corresponding action is selected the file will be sent with the user provided togs whethmad

 Image: the to be sent on events. If the corresponding action is selected the file will be sent with the user provided togs whethmad

 Image: the top of top of the t

Figure 44-Template Upload web page



5.3.1 Template MatchList_A

The template MatchList_A is the following:

```
xml version="1.0" encoding="utf-8"
<AnalyticsEvent xmlns:i="http://www.w3.org/2001/XMLSchema-instance"</pre>
                xmlns="urn:milestone-systems">
         <EventHeader>
                <ID>0000000-0000-0000-00000000000000000</ID>
                <Timestamp>${YEAR}-${MONTH}-${DAY}T${HOUR}:${MIN}:${SEC}Z</Timestamp>
                <Type>LprEvent</Type>
                <Message>MatchList A</Message>
                <CustomTag>TagFromXML</CustomTag>
                <Source>
                        <!-- Insert camera IP -->
                        <Name>172.25.85.22</Name>
                </Source>
         </EventHeader>
         <Description>Match on List A</Description>
         <Location>-</Location>
         <!-- Overlay data. -->
  <ObjectList>
    <Object>
      <Name>LicencePlate</Name>
      <Value>${PLATE STRING}</Value>
      <AlarmTrigger>true</AlarmTrigger>
    </Object>
  </ObjectList>
         <SnapshotList>
                <Snapshot>
                       <TimeOffset>0</TimeOffset>
                       <Image>${IMAGE_OCR}</Image>
                </Snapshot>
         </SnapshotList>
         <Vendor>
                <Name>Tattile SRL</Name>
                <CustomData>
        <IMAGE_CTX>${IMAGE_CTX}</IMAGE_CTX>
        <EVENT DESC>${EVENT DESC}</EVENT DESC>
        <DATE>$ { DATE } </DATE>
        <TIME>${TIME}</TIME>
        <UTC_DATE>${UTC_DATE}</UTC_DATE>
<UTC_TIME>${UTC_TIME}</UTC_TIME>
        <plate_string>${plate_string}</plate_string>
        <PLATE_COUNTRY>${PLATE_COUNTRY}</PLATE_COUNTRY>
<PLATE_REGION>${PLATE_REGION}</PLATE_REGION>
        <CLASS STRING>${CLASS STRING}</CLASS STRING>
        <SITE ADDRESS>${SITE ADDRESS}</SITE_ADDRESS>
        <LATITUDE_STRING>${LATITUDE_STRING}</LATITUDE_STRING>
        <LONGITUDE STRING>${LONGITUDE STRING}</LONGITUDE STRING>
        <PLATE COLOR STRING>${PLATE COLOR STRING}</PLATE COLOR STRING>
        <vehicle_color_string>${vehicle_color_string}</vehicle_color_string>
        <vehicle_Model_string>${vehicle_model_string}</vehicle_model_string>
        <DIAG_STATUS>${DIAG_STATUS}</DIAG_STATUS>
        <DIAG STRING>${DIAG STRING}</DIAG STRING>
                </CustomData>
         </Vendor>
</AnalyticsEvent>
```



5.3.2 Template MatchList_B

The template MatchList_B is the following:

```
?xml version="1.0" encoding="utf-8"
<AnalyticsEvent xmlns:i="http://www.w3.org/2001/XMLSchema-instance" xmlns="urn:milestone-</pre>
         systems">
         <EventHeader>
                <ID>0000000-0000-0000-0000-000000000000</ID>
    <Timestamp>${YEAR}-${MONTH}-${DAY}T${HOUR}:${MIN}:${SEC}Z</Timestamp>
                <Type>LprEvent</Type>
                <Message>MatchList B</Message>
                <CustomTag>TagFromXML</CustomTag>
                <Source>
                         <!-- Insert camera IP -->
                        <Name>172.25.85.22</Name>
                </Source>
         </EventHeader>
         <Description>Match on List B</Description>
         <Location>-</Location>
         <!-- Overlay data. -->
  <ObjectList>
    <Object>
      <Name>LicencePlate</Name>
      <Value>${PLATE STRING}</Value>
      <AlarmTrigger>true</AlarmTrigger>
    </Object>
  </ObjectList>
         <SnapshotList>
                <Snapshot>
                        <TimeOffset>0</TimeOffset>
                        <Image>${IMAGE OCR}</Image>
                </Snapshot>
         </SnapshotList>
         <Vendor>
                <Name>Tattile SRL</Name>
                <CustomData>
                        <! [CDATA[
        <IMAGE CTX>${IMAGE CTX}</IMAGE CTX>
        <TIME>${TIME}</TIME>
        <UTC_DATE>${UTC_DATE}</UTC_DATE>
<UTC_TIME>${UTC_TIME}</UTC_TIME>
        <PLATE_STRING>${PLATE_STRING}</PLATE_STRING>
        <PLATE_COUNTRY>${PLATE_COUNTRY}</plate_COUNTRY>
        <PLATE_REGION>${PLATE_REGION}</PLATE_REGION>
        <SPEED>${SPEED}</speed>
        <CLASS STRING>${CLASS STRING}</CLASS STRING>
        <SITE_ADDRESS>${SITE_ADDRESS}</SITE_ADDRESS>
<LATITUDE_STRING>${LATITUDE_STRING}</LATITUDE_STRING>
        <LONGITUDE STRING>${LONGITUDE STRING}</LONGITUDE STRING>
        <PLATE COLOR STRING>${PLATE COLOR STRING}</PLATE COLOR STRING>
        <VEHICLE_COLOR_STRING>${VEHICLE_COLOR_STRING}</VEHICLE_COLOR_STRING>
<VEHICLE_BRAND_STRING>${VEHICLE_BRAND_STRING}</Pre>
        <VEHICLE MODEL STRING>${VEHICLE MODEL STRING}/VEHICLE MODEL STRING>
        <DIAG STATUS>${DIAG STATUS}</DIAG STATUS>
        <DIAG_STRING>${DIAG_STRING}</DIAG_STRING>
                </CustomData>
         </Vendor>
</AnalyticsEvent>
```



6 Configuring XProtect Management Client

Open the XProtect Management Client and authenticate to the system.

6.1 Adding Vega cameras to Milestone VMS

Create a hardware object linked to a generic "Universal Driver" (channel 1):

- In the window "Site Navigation", click the label "Servers" and select the label "Recording Servers".
- Right-click to the name of the server choose and select the menu item "Add Hardware"



Figure 45 - Milestone XProtect Management "Recording Server"

Now the system shows a wizard to configure a new hardware, follow step by step the instructions:

• Select the hardware detection method "manual"

	Add Hardware
	Add Hardware
$ \langle X \rangle$	This wizard helps you detect and set up herdware.
	Hardware detection method:
	 Epises (eccemended) Automatically detects handware on the recording server's local network
	 Address range scanning Scare defined network address ranges and detects hardware models
	Manual Detects hardware models for manually entered IP addresses and host names
milestone	Renote connect hardware Add hardware connected via a renote connect server
Help	< Back Net = Cancel

Figure 46 - Milestone XProtect Management Wizard detection step



_ 0

• In the authentication step, keep the following setting and click on "Next":

Element	Description
User Name	"admin"
Password	"admin"

Table 13 - Authentication Add Hardware

Specif	milestone		
Include	User Name	Password	Add
v	(Factory Default)		Remove
	Help	< Back Net	d > Cancel

Figure 47 - Milestone XProtect Management Wizard authentication step

• In the driver step, keep default settings and click on "Next":

The more drivers selected, the slower the scanning.		rolisitore
- 🗹 Harwha	(e)	Select All
E er infenova		Clear All
. ₩ CEve		
E State States and Sta		
W Miestone		
Mabatix		
E CN/VIF		
Panaporac		
	=	
Pelco		
v Pelco V Sensung V Sony		
r ge Pelco I ge Sansung I ge Sony I Universal		
e ge Pelico I Sarroung I Sony © Universal Drivenal 1 channel driver		
 ✓ Police ✓ Sensing ✓ Sony ✓ Universal ✓ Universal 1 channel driver ✓ Universal 1 channels driver ✓ Universal 5 channels driver 		

Figure 48 - Milestone XProtect Management Wizard driver step

• In the information step, set the following data and click next to try the connection:

Element	Description
Address	IP Address of Tattile camera
Port	Set to 80.
Hardware model	Set to "Universal 1 channel driver"
	Table 14 driver fields

Table 14 - driver fields



		Add	Hardware	_ D X
Wa On	it while your hardware is being detected. ce detection has completed, select which hardwa	re to add.		milestone
Detec	ted hardware:			Stop
Add	Address	Port	Hardware model	Status
~	172.25.85.3	80	Universal 1 channel driver	Success
V Sł	now hardware running on other recording servers			
	Help		< Back Next >	Cancel

Figure 49 - Milestone XProtect Management Wizard information step

• In the template step, select the "[Hardware model]([Address])" in the Hardware name

ardware name template.			Devic	e name templater;		
tardware model] ([Address])			✓ Defac	a i i		5
🗹 Hardware 🛛 📝 Camera	🗌 Maraphane		Speaker	🗌 Metadata	🗆 hput	🗌 Öutput
Hardware to Add		Enabled	Narrie			
niversal 1 channel driver - 172.25.	85.3					
Hardware:		1	Universal 1 c	hannel driver (172.25.85.3	¢	
Camera port 1:		1	Universal 1.5	hannel driver (172.25.15.1	Carrent 1	
P Morophone part 1:			Universal 1 c	hannel driver (172,25,85.3	· Microphone 1	

Figure 50 - Milestone XProtect Management Wizard template step



• In the group step, select the group for the camera "Default camera group"

	Add Hardware				
Select a default group for all devices types. Alternatively, select device group individually	/ for each device.	milestone			
Default camera group:	Devices	Add to Group			
No group selected	Cameras				
Default microphone group:	🖘 Universal 1 channel driver (172.25.85.3) - Camera 1	Default camera group 🗸 🗸			
No group selected					
Default speaker group:					
No group selected					
Default metadata group:					
No group selected					
Default input group:					
No group selected					
Default output group:					
No group selected					
Help	< Back Finis	sh Cancel			

Figure 51 - Milestone XProtect Management Wizard group step

At the end of the wizard, the camera is visible in the list of recording servers.

	Recording Server
1	🖃 🗊 Recording Servers
	Tattile F01761 (172.25.83.26)
	Tattile F01761 (172.25.85.3)
	Tattile F01761 (172.25.85.6)
	Tattile F01761 (172.25.85.151)
	Tattile F01761 (172.25.86.1)
	Tattile F01765 (172.25.85.180)
	Tattile F01765 (172.25.100.253)
	Tattile F01766 (172.25.81.101)
	🗈 🚃 Universal 1 channel driver (172.25.85.2)
	🗈 🚃 Universal 1 channel driver (172.25.85.3)

Figure 52 - Recording server List



6.2 Configuring Milestone Analytics Events

Tattile's Vega plugin is based on Milestone Analytics Event consequently, is necessary enable Analytics Events in Milestone XProtect Management Client, following the next steps:

10. Select the menu "Tools" and the label "Options".



11. Select the tab "Analytics Events" and set the following fields:

Element	Description
Enable	Enable the server upon receipt of the Analytics events
Port	Set the port to 9090. This is the same port that must be set in the camera configuration, see chapter 5.

Table 15 - List of elements Analytics Events on option window

		Options			
Access Control Settings	Analysics Events	Customer Dashboard	Alarms and Events	Generic Events	•
Finabled					
Port:					
9090					
Security					
Events allowed from:					
Al network addresse					
O Specified network as	idresses:				
Address					
•					
burnet					
angoin.					

Figure 54 - Milestone XProtect Management Option window



6.3 Adding VegaEvent

LPR and Diagnostic metadata sent by Vega Camera, are both "Analytics Event" of type "VegaEvent". In order to receive in XProtect Management Client the "VegaEvent", is necessary create a new "Analytics Events" named "VegaEvent" following the next steps:

- In the window "Site Navigation", click the label "Rules and Events" and right click to the subelement "Analytics Events", choose "Add New" menu item.
- In the window "Properties" insert the name "VegaEvent" and save.

*		
File Edit View Action Tools Help		
🗏 🔊 🙆 🌨 🖽		
Site Navigation	Analytics Events 🚽 🖵	Properties
DEVVIN03 - (13.2a) Basics Basics Remote Connect Services Servers Devices Client Rules and Events Rules Sorrer Forlies Votification Profiles Viser-defined Events Add New Generic Events Add New System Dashboard System Dashboard Sever Logs Access Control Alarms Alarm Definitions Alarm Definitions Sound Settings Sound Settings	CTRL+N F5	Name: VegaEvent Description:

Figure 55 - Milestone XProtect Management "Analytics Events"



6.4 Adding Vega alarm

In order to send **LPR** and **Diagnostic** metadata from the server XProtect Management Client (in which are archived) to the client XProtect Smart Client, is necessary adding an alarm named "Vega alarm" in the XProtect Management Client as described below:

• In the window "Site Navigation", click the label "Alarms" and right click to the sub-element "Alarm Definition", choose "Add New" menu item.



Figure 56 - Milestone XProtect Management "Alarms"

• Compile the new alarm:

Element	Description
Enable	Checked
Name	Set "Vega alarm"
Triggering event	Choose "Analytics Events" and "Vega Events"
Source	Choose "Universal 1 channel driver", see chapter 6.1
Activation period	Choose "Time profile" and "always"
Operator action required	Choose "1 minute" for "Time Init"
Related Camera	Choose "Universal 1 channel driver", see chapter 6.1
Initial alarm priority	Choose "High"
Alarm assegnable by Administrators	Enable

Table 16 - Alarm fields

গ্র	Tattile
	Genters Version Bolicitore

arm Definitions 🚽	Properties		2
Alerre Definitions	Aam definition		
Jega alarm	Enable:	×	
	Name:	Vega alam	
	Instauritions		
			-
			<u>×</u>
	Trigger		
	Triggering event:	Analytics Events	Ý
		VegaEvent	×
	Sources:	Universal 1 channel driver (172.25.85.2) - Camera 1	Select
	Activation period		
	Time profile:	Always	v
	O Event based	Stat	Select
		Sea.	caling
	Oversites active ran and		
	Time int	1 minute	01
	C	1.10.000	Patent
	evens organis.		3000
	Other		1
	Related cameras:	Universal 1 channel driver (172.25.85.2) - Camera 1	Select
	Related map :		~
	Initial alarm owner:		v
	Initial slarm prostly:	Hgh	~
	Alarm category:		
	Events biggered by alarm		Select
	Autoritiene Weeter		
	Aarm assignable to Administrators:	8	

Figure 57 - Milestone XProtect Management Add Alarm window

Figure 23: Milestone XProtect Management Add Alarm window

Priorities

• In the window "Site Navigation", click the label "Alarms" and select the sub-element "Alarm Data Settings" and set the properties like show in the picture below:

	Induco					
	Level 🔺	Name	Sound	Repeat sound		
•	1	High	×			
	2	Medium	×			
	3	Low	×			
			×			

State	s	
	Level 🔺	Name
	1	New
	4	In progress
	9	On hold
	11	Closed
**		

Figure 58 - Milestone XProtect Management Alarm Data Settings



 Move to the tab "Alarm List Configuration" and set the properties like show in the picture below:



Figure 59 - Milestone XProtect Management Alarm List Configuration

• Move to the tab "Reasons for Closing" and disable the reasons.

Con	figurat	ion			
Ala	arm Da	ta Levels	Alarm List Configuration	Reasons for Closing	
En De	able [asons:			
		Reason			
•					

Figure 60 - Milestone XProtect Management Reason for Closing



6.5 Adding MatchList_A/B Event

In order to receive in XProtect Management Client the events **MatchList_A** and **MatchList_B**, is necessary create in XPortect Management Client two "Analytics Events" named respectively **MatchList_A** and **MatchList_B**, following the next steps:

- 1. In the window "Site Navigation", click the label "Rules and Events" and right click to the subelement "Analytics Events", choose "Add New" menu item.
- 2. In the window "Properties" insert the events named:
 - "MatchList_A" and save.
 - "MatchList_B" and save.

©		
File Edit View Action Tools Help		
🖶 🤊 😵 🕿		
Site Navigation 🐱 🤋 🗙	Analytics Events 🔷 🧶	Properties
DEVVIIN03 - (13.2a) DEVVIIN03 - (13.2a) Devices Devices Devices Devices Rules and Events Rules Time Profiles User-defined Events Analytics Events Devices Devices Devic	Analytics Events MatchList_A MatchList_B	Name: [MatchList_B Description:
Generic Events	F5	
System Dashboard Server Logs Access Control Transact Alarms Alarms Alarm Definitions Alarm Data Settings Sound Settings		

Figure 61 - Milestone XProtect Management "Analytics Events"



6.6 Adding MatchList_A/B alarm

In order to send **MatchList_A** and **MatchList_B** metadata from the server XProtect Management Client (in which are archived) to the client XProtect Smart Client, is necessary adding two alarm named "Match_List_A_Alarm" and "Match_List_B_Alarm" in the XProtect Management Client as described below:

1. In the window "Site Navigation", click the label "Alarms" and right click to the sub-element "Alarm Definition", choose "Add New" menu item.



Figure 62 - Milestone XProtect Management "Alarms"

	-
Element	Description
Enable	Checked
Name	Set "Match_List_A_Alarm" or "Match_List_B_Alarm"
Triggering event	Choose "Analytics Events" and "MatchList_A" or "MatchList_B"
Source	Choose "Universal 1 channel driver", see chapter 6.1
Activation period	Choose "Time profile" and "always"
Operator action required	Choose "1 minute" for "Time Init"
Related Camera	Choose "Universal 1 channel driver", see chapter 6.1
Initial alarm priority	Choose "High"
Alarm assegnable by Administrators	Enable

2. Compile the new alarm:

Table 17 - Alarm fields



Alarm Defi	Alarm definition	u de la companya de la compa	
a Match_List_B	E.Feitorit.	Mark Lot A Alex	
	ryame.	Construction of the second sec	
	Instructions:		0
	Trigger		
	Triggering event:	Analytics Exercis	×.
		Merilie_A	v
	Sources:	Universal 1 chernel druw (172 25 35 22) - Camera 1	Select
	Activation period		
	Time profile:	Aveys	×)
	C Event based:	Start	Solect .
		Stop:	Kelent
	Operator action required		
	Time limit:	Terute	~
	Events triggered:		Select_
	Other		
	Related cameras:	3 Name selected	Select
	Related map:		~
	Initial alarm owner:		~
	Initial alarm priority:	High	×
	Alarm category:		~
	Events triggered by alarm:		Select
	Auto-chine alarm:		



Alarm Definitions 🛛 👻 🖗	Alarm Definition Information		
B & Alarm Defi	Alarm definition		
Match List B	Enable:		
	Name:	Match_List_B_Alarm	
	Instructions:		
			~
	Trigger		
	Triggering event:	Analytics Events	~
		MatchList_B	~
	Sources:	Universal 1 channel driver (172.25.85.151) - Camera 1	Select
	Activation period		
	Time profile:	Always	~
	O Event based:	Start	Select.
		Stop:	Select
I	Operator action required		
	Time limit:	1 minute	*
	Events triggered:		Select
	Other		
	Related cameras:		Select
	Related map:		*
	Initial alarm owner:		~
	Initial alarm priority:	High	*
	Alarm category:		~
	Events triggered by alarm:		Select
	Auto-close alarm:		
	Alarm assignable to Administr	rato 🗹	

Figure 64-Milestone XProtect Management Add MatchList_B alarm



7 Troubleshooting and Support

7.1 Troubleshooting

The software tool Tattile Vega Plugin cannot find the device

- The device is not correctly powered
- > Check the device is correctly cabled to the power supply
- Check the power supply is 24 VDC and at least 5 A
- Check the cable PIN OUT
- The device network is not correctly cabled
- Check the Ethernet wiring
- If necessary, cable a new connector
- Milestone services don't reload the list of available devices
- > Open Microsoft Windows services
- Restart Milestone services

Cannot access the web interface

- The device IP address does not belong to the same netmask of user's PC
- > Modify the IP address of the device or of the PC
- The PC is configured for DHCP IP assignment
- > Define a static IP address to the PC belonging to the host address of the device

The web interface does not display the live stream of the device

- The device is not responding
- Restart the device
- > If the problem persists, contact your sales representative

7.2 Support

If you need advice or support, you can contact the Tattile technical support (FAE_Tattile@tattile.com) using the references located in the front pages of this manual.



8 Revision History

Rev.	Date	Description	Author	Approved by	
01	2019-09-27	First Release	M. Bontempo	F. Carta	
02	2019-10-14	Add Configuring camera	M. Zaffignani	F. Carta	
03	2019-10-15	Adding Tattile's cameras to Xprotect	F. Carta	F. Carta	
04	2019-10-28	Updated screenshot	M. Bontempo	F. Carta	
05	2020-02-09	Review	F. Carta	F. Carta	
06	2020-03-16	License	F. Carta	F. Carta	
07	2020-04-23	 Modify: configuring Vega Camera to send LPR metadata Add: Configuring Vega Camera to send Diagnostic metadata Add: Configuring Vega Camera to send MatchList_A/B metadata Add: Template MatchList_A Add: Template MatchList_B Add: Adding MatchList_A/B Event Add: Adding MatchList_A/B Alarm 	M. Bontempo	F. Carta	
08	2020-06-18	Add troubleshooting	M. Bontempo	F. Carta	
Table 18 - Revision history					