

Matrix Barcode Reader Integration App-note



Contents

1. Introduction	. 4
1.1 Requirements	. 4
1.1.1 General Requirements	. 4
1.1.2 License Requirements	. 4
1.2 Integration Components	. 5
2. Device Addition and Configuration	. 6
2.1 Matrix Setup	. 6
2.1.1 Connection Options	. 6
2.2 Devices Section (Add a New Device in CathexisVision)	. 6
2.2.1 The Integrations Panel	. 6
2.2.2 Device Addition	. 6
3. Configuration Section (Tabs)	. 8
3.1 Object Configuration Tab	. 8
3.1.1 Object Configuration Buttons	. 8
3.1.2 Object Configuration Right-click Options	. 8
3.1.3 Edit Object	. 8
3.1.4 Configure Overlays	10
3.2 Objects Properties Tab	10
3.3 Device Events Tab	11
3.4 Groups Tab	11
3.4.1 Create a Group	12
3.4.2 Add or Remove Objects	12
3.5 General Tab	12
3.5.1 Configure a New Database	12
3.5.2 Select an Integration Database	13
4. Camera Tab Overlay Setup	15
4.1 Video Feed Options Panel	15
4.1.1 Select the Overlay	16
5. Database	17
5.1 Navigate to the Database	17
5.2 Database Interface	18
5.2.1 Viewing an Entry's Associated Recording	19
6. Events	20

6.1 Event Window
6.2 Creating an Event
6.3 Triggers Tab
6.3.1 Set the Device as the Trigger22
6.3.2 While/When and Any/All22
6.3.3 Trigger Types (Trigger Using)22
6.3.4 Define the Trigger (Any Device Event)
6.4 Actions Tab 24
6.4.1 Adding an Action24
7. POS View Tab
7.1 Stations
7.2 Overlays
7.3 Metadata
8. Conclusion

While Cathexis has made every effort to ensure the accuracy of this document, there is no guarantee of accuracy, neither explicit nor implied. Specifications are subject to change without notice.



1. Introduction

This document will detail the integration of the Matrix Barcode reader, with the CathexisVision software. Functionally this integration will entail the triggering of standard CathexisVision Events, based on the triggers from the Matrix reader.

1.1 Requirements

1.1.1 General Requirements

- CathexisVision 2016 Service Pack 3 and later.
- Win 7 64bit and later; Win Server 2008 R2 and later.
- Minimum of 4 GB of RAM required.

Note:

- 1. For information regarding the regular operation of a Matrix device, please consult the relevant Matrix documentation.
- 2. There is a General Integration section in the main *CathexisVision Setup Manual*. It has vital information about creating an integration database, as well as a general introduction to the Integration Panel. Read over this section.
- 3. When using an ESP1204 the Communication channel will only show it is disconnected if the network connection to the ESP1204 is down.

1.1.2 License Requirements

License	Name
CDEV-2000	Other Device License

Note: In this integration, a single license will cover multiple linked devices.

A NOTE ON CAMERA CHANNELS

The CathexisVision software packages have **limits on camera channels**. A multi-sensor camera is physically a single device (camera) but it requires a camera channel for each one of the internal cameras. The same applies to an encoder: a 16-channel encoder will account for 16 camera channels on the CathexisVision software, even though it is a single device. Even when a camera or device only uses a single IP license, the camera channel limit will still apply.



1.2 Integration Components

All CathexisVision integrations have two component levels: Device and Object.

- **Device** The device is CathexisVision software's interface, which handles all the interaction between CathexisVision and the integrated hardware. When an integration is added to the CathexisVision system, a device is added. The messages received from the device are called Device Events.
- **Objects** Objects are the individual pieces of hardware that comprise the integration. There may be multiple "object types" under the objects group. For example, the main controller and door nodes of an access control system are both objects. They are different types of objects.

USEFUL LINKS

To view tutorial videos on CathexisVision setup, visit <u>https://cathexisvideo.com/resources/videos</u>

Find answers to Cathexis Frequently Asked Questions: <u>https://cathexis.crisp.help/en/?1557129162258</u>



2. Device Addition and Configuration

This section will detail the procedure for setting up the two systems to effectively communicate with each other.

2.1 Matrix Setup

2.1.1 Connection Options

The Matrix device sends information to CathexisVision over a network, using UDP.

2.2 Devices Section (Add a New Device in CathexisVision)

Integrations are added on a server-by-server basis. They are managed in the Integration Devices panel, under the Setup Tab of the servers to which they are added. To get to the Integration Panel follow this path:

2.2.1 The Integrations Panel



There are two sections in the Integration Panel:

1. The **Devices** list shows the integration devices attached to the integration database.

2. The **Configuration** section enables editing/reviewing the device selected in the **Devices** section.

2.2.2 Device Addition

New device 1. Once in the Integration Panel, click on the New device button, in the Devices section. This will open the addition dialogue.

2. Select Matrix Barcode Reader from the list.



🐷 nvr_gui_res 🔹 😨 💌
Configure the device
Name Matrix Demo
Connection UDP listen port 5000
< Back Finish Cancel

Give the device a descriptive **name**.

Also make sure that the UDP listening port is the same as the port that the Matrix device is broadcasting at.



3. Configuration Section (Tabs)

The configuration section is divided up into a number of tabs. These tabs are: **Object configuration**, **Object properties**, **Device events**, **Groups**, and **General**.

3.1 Object Configuration Tab

The object configuration tab is where all the individual objects that comprise the integration may be viewed.

The Matrix integration has one object type: Station.

C	onfigu	ration of 'BarcodeDB'					
	Object	configuration Object	properties	Device events	Groups	General	
	Object	type 🗱 All objects	•				
	<u>^</u>	Туре	ID	Name	Ca	meras	Groups
	*	Station	10 Box Disp	oatch 10 Box Di	spatch		
	*	Station	36 Box Disp	atch 36 Box Di	spatch		
	*	Station	6 Box Dispa	atch 6 Box Dis	patch		
	Ψ.	Communication channel	default	Default			

3.1.1 Object Configuration Buttons

New	
Edit	
Delete	

Click **New** to add a new object.

Click Edit to change an existing object.

Click **Delete** to remove an existing object from the CathexisVision configuration.

3.1.2 Object Configuration Right-click Options

New
Disable
Delete
Properties

New will open up the dialogue to add a new object.

Disable/Enable allows objects to be enabled/disabled manually.

Delete will permanently remove this object from the list.

Properties will open up the object properties. The object may be edited from here. Specifically, assign cameras to this object, as well as define user access levels for it.

3.1.3 Edit Object

Open object editing window by selecting object and clicking Edit button, or right-click Properties.

This window is where cameras are added to objects, overlays are configured, and access rights to the integration are added. These are dealt with in two tabs: **Cameras** and **Access**.



3.1.3.1 Properties: Camera

Adding a camera to an object will mean that whenever there is an event on that object, the recording from that camera will be related to the time and date of the object event, in the Integration database.

🐷 Edit object	? 🗙
Edit object	\$
Edit object settings	- 56-56
Name Default	
Cameras Access	
Camera 1 🚛 Highway 1 🔹	
Add camera	
ОК	Cancel

Add camera

To **add** a camera, click Add camera, and select the relevant camera from the dropdown menu.

To **delete** a camera, click the trash icon.

Notes:

- While multiple cameras can be added here, only the first camera added with the object will be linked in the integration database.
- If *continuous recording* is not set up on associated cameras, there is the risk of an object event triggering while the cameras are not recording. To record cameras only when an object triggers, set up **Events** that trigger a recording, when one of these objects is activated.



3.1.3.2 Properties: Access

Cameras Access				
Use the default acce	ess rights for 'Co	ontroller' objects	Configure de	efault access
View	Level 1	Level 2		
Emergency open mode Lockdown mode		Level 2		
Normal mode	Level 9	Level 10	Level 11	Level 12

Access can be used to protect sensitive objects, by only allowing certain user levels access to them.

There will be a list of objects, whose access level may be set.

Note: If *Use default access rights* is checked, make sure that those default rights have been correctly defined. Click on **Configure default access** to do this.

3.1.4 Configure Overlays

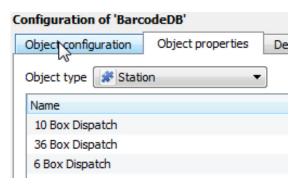
Open the Overlay settings dialogue window by following one of the steps below:

- 1. Select the Station object from the drop-down menu to display the Overlay Settings icon $^{\mathscr{P}}$.
- 2. Right-click object / Properties / Add camera / Click

Matrix Barcode Reader	Check Enable to enable the overlays.
Enable	Select the Location of the overlay.
Background color	Select the Background color .
Text color	Select the Text color .
OK Cancel	

3.2 Objects Properties Tab

The Object properties tab allows viewing objects, sorted by type. In the case of the Matrix device, there is the option of viewing by **Station**.







3.3 Device Events Tab

The Device events tab lists real-time events happening on this device. Installers can ensure that the integration is functioning, and monitor the Events happening on site.

Object configuration	Object properties	Devi	ce events	Group	os General				
All events 🔻									
Event type									
Events	2014-12-01 15:52:14	.981	6 Box Dispa	atch	6525418523	45 Deon	20.36	1005	2348 Cash Sale
Events	2014-12-01 15:52:14	.110	10 Box Disp	patch	70707070707070	60 Moses	15.5	1000	5555 Cash Sale
Events	2014-12-01 15:52:12	.398	36 Box Disp	patch	00000000	60 Peter	50	200	8000 Cash Sale
Events	2014-12-01 15:51:11	.062	6 Box Dispa	atch	6525418523	45 Deon	20.36	1005	2348 Cash Sale
Events	2014-12-01 15:51:10	.218	10 Box Disp	patch	70707070707070	60 Moses	15.5	1000	5555 Cash Sale
Events	2014-12-01 15:51:07	.907	36 Box Disc	patch	000000000	60 Peter	50	200	8000 Cash Sale

3.4 Groups Tab

Groups of the same type of object can be created.

Object configuration	Object properties	Device event	s Groups	General	
Group	- 🎦 📝 🔓				
vailable objects		Object	ts in group		
Name		Name		^ ·	
		× 1			

Tip: This is useful when setting up events, because events can be triggered by an object group. (E.g. a group will trigger an event if any of the doors in that group are triggered.)



3.4.1 Create a Group

- To **create** a group, click on this icon.
- To **edit** a group, click on this icon.
- To **delete** a group, click on this icon.

🐷 Create a new object group	? 💌
Create a new object group Configure the new object group	
Group name Matrix Demo Group	
ОК	Cancel
Object type Station	▼ Cancel

Give the group a descriptive Group name.

Click on the drop-down menu to select the **object type** to group.

Note: Once a group has been created, the object type of the group cannot be edited.

3.4.2 Add or Remove Objects



A list of available objects will be displayed in the Available objects panel.

3.5 General Tab

The General tab deals with the integration database. Here, select a pre-created database, or configure a new database.

Note: Each integrated device needs to be attached to an integration database. Without setting up/adding a database here, the integration will not function properly within the CathexisVision system.

3.5.1 Configure a New Database

The first time an integration database is added, the general integration database will need to be **initialised**. Thereafter, a database for a specific integration can be **created**.

E Configure integration databases

To create a new database, click the **Configure integration databases** button from the General tab. This opens the integration database setup.



3.5.1.1 Initialise the Integration Database

🛃 Integration database	setup	? ×	
Vitual 5043a	ialise integration	database	
Conne	ected to unit Virtu	ual 5043a	
		Close	
			_
Partition		C:\(C:\)	•
Total space available		8134 MB	
Disk space allocated to integ	gration database	1000MB	*

Select the unit the database will be added to from the list on the left.

Click Initialise integration database.

Initialise integration database

Choose the partition on which the database will be created.

Select disk space allocation.

3.5.1.2 Add a New Device Database

After initialisation, the database can be added to the integration.

÷

```
Configure integration databases
```

To create a new database, click the Configure integration databases button from the General tab.

New

Click the New button at the bottom of the Integration database setup window.

🚡 Create database	? ×
Database name	Matrix DB
Size (Max: 100 MB)	100 MB
Driver	Matrix Barcode Reader (1.1.1)
	OK Cancel

Give the Integration database a descriptive Database Name.

Allocate a Size to the new device database.

Select the device Driver, Matrix DB from the drop-down list.

Click **OK** to create the database.

3.5.2 Select an Integration Database

After setting up an integration database, select the correct database from the options in the General Tab.



Integration database -- select integration database --

From the **General Tab**, click the gear icon 🕲.

In the dialogue that appears, **select** the relevant integration database.

0

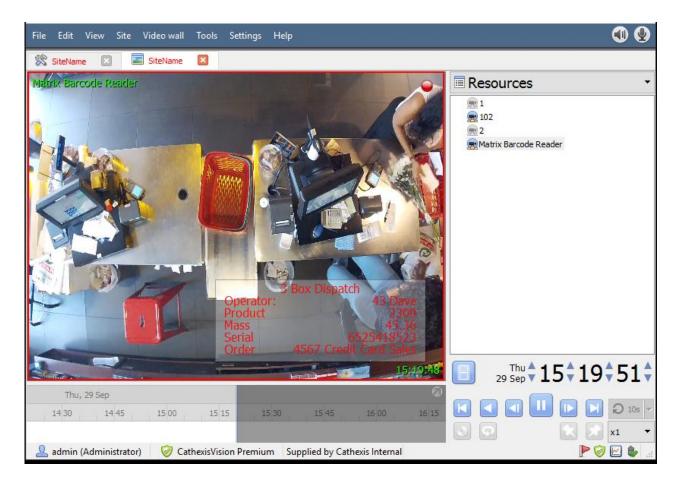
Only databases which relate to the device being added should appear.

Note: The information on setting up an integration database may be found in the **Integration Devices General Settings** section of the **CathexisVision Setup Manual**.



4. Camera Tab Overlay Setup

Once all the relevant settings have been configured, the Barcode Reader overlay can be pulled through over the relevant camera feed.



Note: Cameras must have already been added to the station objects.

4.1 Video Feed Options Panel

To bring up the overlay, click the arrow to the left of the screen, to pop out the Video feed options panel.

The Video feed options panel will present a number of options specific to the settings configured for that video feed.



4.1.1 Select the Overlay





Clicking this icon will bring up the overlay options for this video feed.

Select the **device**, **enable** the overlay, and it will appear over the video feed, as above.



5. Database

The Databases tab allows the user to navigate to the databased entries, for each individual database. In the Databases tab, each database is presented as a table. It has built in filters, and the ability to navigate by timestamp. If a database entry has an associated recording, this recording can be launched from within the Databases tab.

Most integrations will have a different database presentation, and unique filters, due to the different parameters sent to CathexisVision by the integrated device.

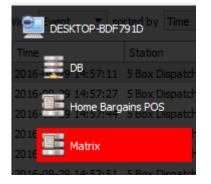
liew Event 🔻 sort	ted by Time	*					9.	No EasySearch '
ime 🛛	Station 5	erial Number Operator	Mass F	Product Order Links	^	Mathia Barriele Reader		2016-09-29 15:12:19
016-09-29 14:57:11	5 Box Dispatch	6525418523 44 Alice	45.36	2309 4567 Credit Card Sales			Station Serial Number	3 Box Dispatch
016-09-29 14:57:27	5 Box Dispatch	6525418523 44 Alice	45.36	2309 4567 Credit Card Sales				43 Dave
016-09-29 14:57:44	5 Box Dispatch	6525418523 44 Alice	45.36	2309 4567 Credit Card Sales				45.36
016-09-29 14:57:48	5 Box Dispatch	6525418523 44 Alice	45.36	2309 4567 Credit Card Sales				2309 4567 Credit Card Sa
016-09-29 14:57:49	5 Box Dispatch	6525418523 44 Alice	45.36	2309 4567 Credit Card Sales			Under 1	1507 Creat Card Se
016-09-29 14:57:51		6525418523 44 Alice	45.36	2309 4567 Credit Card Sales				
016-09-29 14:57:51		6525418523 44 Alice	45.36	2309 4567 Credit Card Sales				
2016-09-29 14:57:52		6525418523 44 Akce	45.36	2309 4567 Credit Card Sales	E I			
1016-09-29 14:57:52		6525418523 44 Alice	45.36	2309 4567 Credit Card Sales		dillion (
1016-09-29 14:57:53		6525418523 44 Alice	45.36	2309 4567 Credit Card Sales				
1016-09-29 14:57:53		6525418523 44 Alice	45.36	2309 4567 Credit Card Sales			and the second se	
016-09-29 14:57:53		6525418523 44 Alice	45.36	2309 4567 Credit Card Sales				
016-09-29 14:57:54		6525418523 44 Alice	45.36	2309 4567 Credit Card Sales			Contraction of the second	
016-09-29 15:00:44		6525418523 44 Precious		2309 4567 Credit Card Sales	1.1			
016-09-29 15:01:32		6525418523 43 Dave	45.36	2309 4567 Credit Card Sales				
016-09-29 15:01:58		6525418523 42 Tim	45,35	2309 4567 Credit Card Sales				
16-09-29 15:02:29		6525418523 42 Tim	45.36	2309 4567 Credit Card Sales				
16-09-29 15:10:09		6525418523 42 Tim	45.36	2309 4567 Credit Card Sales 🖷				
016-09-29 15:11:24		6525418523 42 Tim	45.36	2309 4567 Credit Card Sales 🖷			the Office of the last	
016-09-29 15:12:19	and the second se	6525418523 43 Dave	45.36	2009 4567 Credit Card Sales 👄			I Contraction in the second	
1016-09-29 15:19:40		6525418523 43 Dave	45,36	2309 4567 Credit Card Sales 🖷				
016-09-29 15:28:21		6525418523 43 Dave	45.36	2309 4567 Credit Card Sales 🖷			AND	
2016-09-29 15:29:00		6525418523 43 Dave	45.36	2309 4567 Credit Card Sales 🖷	-		and the second strength	
016-09-29 15:30:23		6525418523 43 Dave	45.36	2309 4567 Credit Card Sales 🖷	•		and the second se	
1016-09-29 15:32:37	s Box Dispatch	6525418523 43 Dave	45.36	2309 4567 Credit Card Sales 🖷				
							THE CONTROL TO TACKE WAS	
						Statistics Interest A 1	EAT 415-11-12-12-12-12-12-12-12-12-12-12-12-12-	
						Thu, 29 Sep		
						15 08 15 10 15 12 15 14	15.16	
						x Barcode Reader		
					~	A A D 105 - x1 -	29 Sep + 15 + 12 + 17 +	
						H () H)	(ॻ ॊ) 🕫 🗉 🖬	

5.1 Navigate to the Database

To view information stored in the Integration, first navigate to the Databases Tab.

Site Tools Settings Help	<u> </u>
Copen tab	Cameras
🚷 Close site's tabs	Databases

Follow the path on the left: Site / Open tab / Databases.



Select the **Matrix** integration database from the database panel that opens on the left-hand side.

The databases are ordered under the NVRs that they are attached to.

To open and close this list click on the arrow in the centre of the list:





Goto Time 2015/05/27

5.2 Database Interface

View Events sorted by Time	3 - No EasySearch • 4
\bigcirc	

Connected to unit Virtual 5043a

\$ 17:14:32

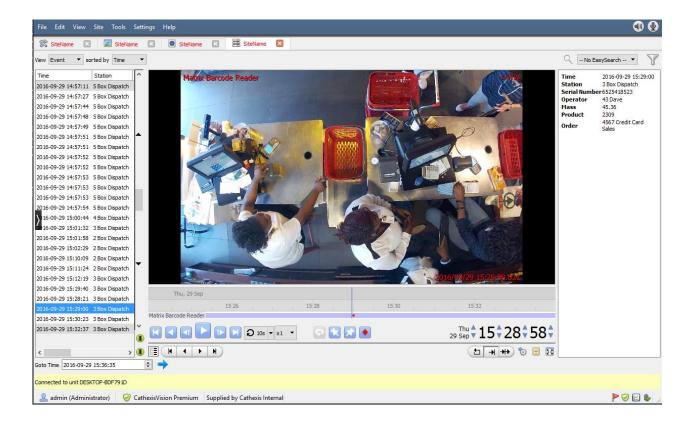
-

(1) View	Change the way that the database is presented. Some integration databases have multiple view options. The Matrix database only has one, Events , option.			
² Sorted By	Sort the Matrix Events based on the following parameters: Time .			
³ Easy Search	The easy search option allows quick searching of the database within one of the following options: Station, Serial Number, Operator, Product, and Order.			
(4) Filter T	Filter offers a more advanced manner of sorting information in the Integration Database table.			
	 Filter the search based on the following parameters: Time, ID and Description. Once the filters dialogue is open, the following options are available: 1. To enable filters check this box: Enable filters 			
	2. To add a new filter click on $\mathbf{\overline{b}}$.			
	The filter icon \mathbb{Y} will change to \mathbb{V} when filters are active.			
	3. To delete an added filter click on 6 .			
	The Matrix database allows for filtering on the following parameters:			
	Station is equal to Time Station Serial Number Operator Mass Product Order			
	Note: 1. Multiple filters may be run simultaneously. Filters with the same parameters			
	may be run more than once. 2. To change a filter, click on the blue hyperlinked text.			
⁽⁵⁾ Go to Time	This navigates to a specific point in time, down to the second. To navigate to a timestamp, set the time using the time and date boxes.			
	Then click on the arrow icon.			



5.2.1 Viewing an Entry's Associated Recording

If cameras are attached to device objects in the Integration setup, and these cameras are set up to record continuously, each Integration database entry will have a corresponding recording. See the image below.



To view an associated recording, simply left-click on a database entry which has the camera icon in the **Links** column.



Then click **play** in the video player.



To see the video in a new window, click the **pop-out icon**.



6. Events

A CathexisVision event has a trigger, which causes an action. Set integrated devices to act as triggers, or as actions. This document will detail the Matrix specific aspects of Events. There is a comprehensive guide to CathexisVision Events in the main setup manual.

Most of the data that CathexisVision receives from a device is presented in the Events interface. This is done in order to give the user a full range of options. As a result, some of the options presented in the interface may be *impractical* for being used as an event trigger, or action.

6.1 Event Window

Events in CathexisVision are set up via the Event Window, which has four tabs. In the **General Tab**, an event is given a name, description, schedule and priority. In the **Triggers Tab** the trigger/s for the event is defined. In the **Actions Tab** the action/s which the event takes, is defined. In the **Resources Tab** the various site resources which can be used as part of an event are defined.

6.2 Creating an Event

To create an event using the Matrix device, navigate to Events by following the sequence: **Open Tab / Setup** / **Servers / Master Server / Events**. This is shown below.



This will allow the user to enter the Events management area:

New

1. Once in Events management area, **click the New icon** at the bottom of the screen. This will open up the **New Event window**. Alternatively, right-click and select **New**.

<u>standard triggers</u> 2. Once in this window, select the **Triggers Tab** and click on the hyperlink called standard triggers.

3. From the menu that drops down, left-click the Matrix device that will be used to trigger the event.

6.3 Triggers Tab

A trigger is the user-defined input that notifies the event to start. The trigger causes the subsequent action (which the user will also define).



6.3.1 Set the Device as the Trigger

General	Triggers	Actions	Resources	
Use <u>matri</u>	i <u>x demo</u> to trig	gger the eve	ent	
Trigger usi	ing <u>any statio</u>	<u>n</u>		
Start actio	ons when <u>any</u>	of the prop	erties meet the	e following criteria
Descriptio	on			*

When creating a new event, the trigger type will default to: Use *standard triggers*.

To define what should trigger the event, click on the hyperlink after the word "Use".

To set the the Matrix device as the trigger, **select the device name** (Matrix) from the drop-down menu.

6.3.2 While/When and Any/All

The user can choose the option to:

- **start actions when** any of the properties meet user-configured criteria, or any user-configured device events occur, or
- perform actions while any/all of the properties meet user-configured criteria.

Start actions when	any of the properties meet the following criteria
	any of the following device events occur
Perform actions while	<u>any</u> of the properties meet the following criteria
	<u>all</u> of the properties meet the following criteria

Use <u>matrix demo</u> to trigger the event Trigger using <u>any station</u> <u>Start actions when</u> <u>any of the properties meet the following criteria</u> To change these settings, click on the related blue hyperlinks, as shown in the image on the left.

6.3.3 Trigger Types (Trigger Using)

It is useful to think of this as a master trigger type.



Any station will trigger if anything happens in any of the zones.

Stations in group...will trigger when an event occurs in any of the zones in the chosen group.

Any device event will trigger when any event occurs on the device. Further constraints may be setup from this option.



Note for group triggers: For an event to be databased under the name of a specific object, and not the name of the triggering group, modify the Description field in the **General tab** of the Event setup.

Click on the question mark icon to see a list of available descriptions.

As an example here is a Matrix group event setup to database using the name of the object that triggered the event:

escription Station name: \$obj_name	Description	Station name: \$obi nar	ne
-------------------------------------	-------------	-------------------------	----

6.3.4 Define the Trigger (Any Device Event)

After selecting a master trigger type, add a trigger to the event. The following example is based on a user having selected "Trigger using **Any device event**".

New

Click on **New** in the Triggers tab. Clicking on New will bring up the **New device event** trigger dialogue box.

6.3.4.1 New Device Event Trigger

🐼 New device event trigger	? 🗙
New device event trigger Configure settings	233
Event Events Schedule Always The event must also match any of the following rules	
Description	New Edit Delete
	No items

From the *any device event* option, choose the **type of device event** that will be the trigger. Choose from the **drop-down menu**.

Choose whether *my*, or *my*, *my*,

(If no constraints are defined, *every* single device event will trigger this event.)

To add/edit/delete a **Device Event rule** (a constraint) use the **New, Edit,** and **Delete** buttons on the right-hand side.

Note: Multiple constraints can be set (Device Event Rule). If constraints are not defined, every device event will trigger this event.



New Device Event Rule

New

To configure a **New device event rule**, click on New in the **New device event trigger** window. This will bring up the **New device event rule** dialogue.

🐷 New object property trigger 🛛 🔹 💽
New object property trigger
Configure settings
<u>Name</u> <u>equals</u> Name Always ▼
OK Cancel

To change the constraint, click on the first hyperlink. This will bring up the full list of available rules.

To modify the way this rule will be treated, click on the second hyperlink (which is *equals* in the example). This will display the rules options.

Note: When all available options are known to CathexisVision, a drop-down menu will appear. When these variables are not pre-defined, fill them in.

The information pulled through to the events is information sent to CathexisVision from the Matrix device. See the **Matrix Settings** for the **strings** needed here.

6.3.4.2 "Any Station" and "Group" Triggers

If the **Any Device Event** is *not* chosen, the triggers have a slightly different setup window. Constraints, do not need to be set, since they are being added one at a time. This option is better if a select few triggers are to be used.

🐼 New object property trigger
New object property trigger
<u>Battery Level</u> equals 0 🚔
Schedule Always
OK Cancel

Since only one type of object will be used to trigger the event, the dialogue will appear as the **New object property** window did previously (new device event rule).

Note: This is true for groups as well, since a group may only be made up of one object type.



6.4 Actions Tab

General	Triggers	Actions	Resources
D	escription		

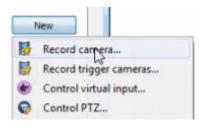
Having defined the triggers that will initiate an event, the user will need to define Actions.

Select the Actions tab from the New event window.

6.4.1 Adding an Action

New

To add an action, click New in the Actions tab.



A list of **available actions** will appear. The drop-down contains all the available **action types**. The icons represent the device action **type.**

Select an option.

With many integrations there will be the option to control the integrated device, as one of the actions. Because of the nature of this integration this option is not available with the Matrix device.



7. POS View Tab

Note: While this tab is still available, much of its functionality has been replaced by the overlays which can be pulled through over the camera image in the cameras tab. In the POS View Tab, the metadata will be displayed as both an overlay (if configured) and in a separate panel.

To view this tab:

- 1. Site / Open Tab / matrix_device_name
- 2. Right click on an open tab / Open Tab / matrix_device_name



7.1 Stations

7.2 Overlays

Station	
🗩 10 Box Dispatch	
🗩 25 Box Dispatch	
🗩 6 Box Dispatch	
🏶 8 Box Dispatch	

In the **station** panel, on the left of the video footage, the user will see a list of available Matrix stations.

3 Box Dispatch Operator: 43 Dave Product 2309 Mass 45.36 Serial 6525418523 Order 4567 Credit Card Sales

The metadata that comes through from the barcode reader will be displayed in an overlay (if one has been configured) in real time.



7.3 Metadata

Time	2016-09-29 15:30:23.983
Operator	· 43 Dave
Product	2309
Mass	45.36
Serial	6525418523
Order	4567 Credit Card Sales

In the panel to the right of the video footage the user will see the information that has come through from the barcode reader, as it comes through.



8. Conclusion

This app-note was designed to deal specifically with this integration. For further information about the CathexisVision software please consult the main manual (<u>http://cathexisvideo.com/</u>).

For support, please contact support@cat.co.za