

Overview

This document outlines the integration procedure of Louroe Electronics Digifact IP audio devices with the **Exacqvision Video Management System**.

Device Requirements

- Louroe Electronics Digifact audio device/s
- Exacqvision enterprise or professional video management system

Setup

- Mount the Louroe Digifact device in the desired location and plug it into a Power over ethernet (PoE) source or alternately powered by an external DC power supply, for detailed power and network options please refer to the Digifact device quick start guide.
- 2. On the device User interface navigate to "VMS Settings" on the device main menu.







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 Under VMS settings; enable the tcp-ip settings and enter the corresponding information for the Exacqvision server, such as IP address, and port number (refer to point 8 below for port numbering) and click on the "submit changes" button.

VMS configur	ation	(Submit changes
TCP-IP settings			
Enable	• YES		
Address 🚯	192.168.1.101		
Port 🟮	12345 🖂		
Text	%1% %2% %3%\n	ß	

4. Open Exacqvision client and navigate to "Add IP Cameras" under the settings menu, and click on "New"

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- 5. Under the IP Camera information fields enter the following: Device Type: RTSP
 - Hostname/IP address: rtsp://xxx.xxx.xxx/0?format=yyyy

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xxx.xxx.xxx.xxx – IP address of Digifact Device
yyyy – Available formats are
L16 – PCM
PCMA – G.711 a-law
PCMU – G.711 mu-law
G726-40 – G.726
MPA
```

Username and password of Digifact device and click on the "Apply" button

	IP Camera Information	
Ì	Device Type:	RTSP ~
1	Hostname/IP Address:	rtsp://192.168.1.104/0?format=PCMA
	Port:	
	Username:	admin
	Password:	••••
	Password Confirm:	••••
	Status:	Not connected. Show Details
		Apply Cancel
)

6. The device will appear as an audio in/out device on the Exacqvision system tree and the audio feed from the device can be accessed by dragging and dropping the device from the device tree onto the desired frame in the "live view" section of the Exacqvision user interface.





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 To send Audio Analytic events to the Exacqvision server; a serial port needs to be defined and configured between the Digifact device and Exacqvision server. On the Exacqvision client user interface, go to settings – Serial profiles and create a new serial profile;

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			Select All	
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			Case Sensitive	

8. Under the "Serial Ports" option create a port with using the profile in step 7 above with the following parameters:

Name: (User Configured) Use: (User Configured) Profile: per step 7 Type: TCP Listener Address: Ip address of Digifact device Port: As configured in step 3, note: port numbers have to match the respective fields Max Line Length: (User Configured min 80)

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9. Verify that serial data is being received by the Exacqvision server by sending test events and monitoring the "Raw Data" stream under the Serial profile section.

	Serial Profiles
	Data Retention Days to Retain Data: 60 Apply
Profile Selection	Serial Preview
Digifact 1	Port Name: Digifact ~ Port Status: Connected. Show Raw Data
	LevelThreshold Digifact-TM-a2998962e922 203341! ^ silence Digifact-TM-a2998962e922 2033451\x0a

Conclusion and additional tasks to complete integration:

The above procedure serves to offer a method of integrating a Louroe Electronics Digifact IP audio device with **Exacquision Video Management System**.

When used with Audio Analytic applications, in response to the event data, several event actions <u>must</u> be automated within Exacqvision's framework to enable the user/operator to verify the event and follow up on manual tasks, automated events should at a very <u>minimum</u> include:

- Placing a warning text message on the user interface and additionally playing an audible alarm sound to alert the user/operator of an event occurrence.
- Replaying of an audio and/or video clip 10 seconds before and 10 seconds after the event for the user/operator to audibly verify the event.
- Replaying of a video clip and/or bringing the video feed of the nearest camera/s to the area
 of the sensor where the event was triggered for the user/operator to visually verify the
 event.

There may be other integration methods and features available in the Exacqvision framework that are not covered by this document, pleasure contact Louroe Electronics at (818) 994 6498 for additional information.

Support Contacts

(Technical Support, Training tools, and more)

ExacqVision https://exacq.com/support/

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