



## Overview

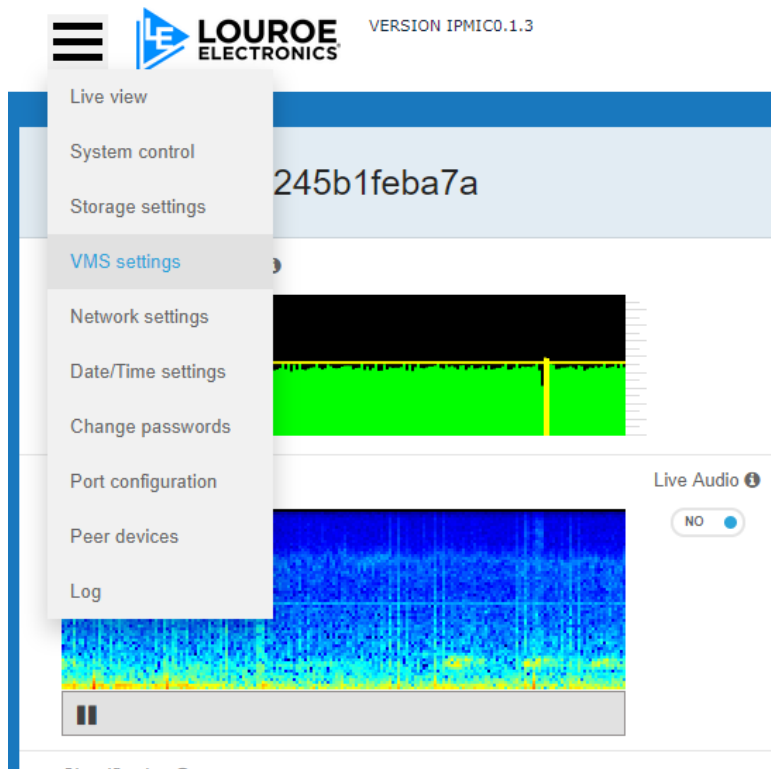
This document outlines the integration procedure of Louroe Electronics Digifact IP audio devices with the **Exacqvision Video Management System**.

## Device Requirements

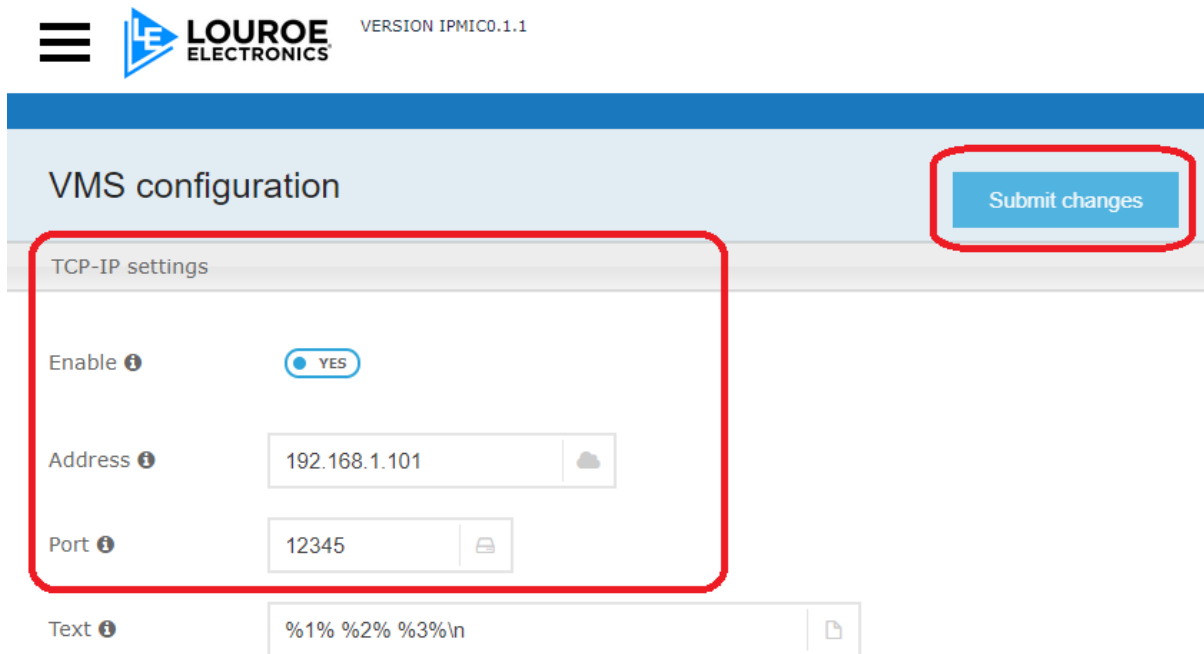
- Louroe Electronics Digifact audio device/s
- Exacqvision enterprise or professional video management system

## Setup

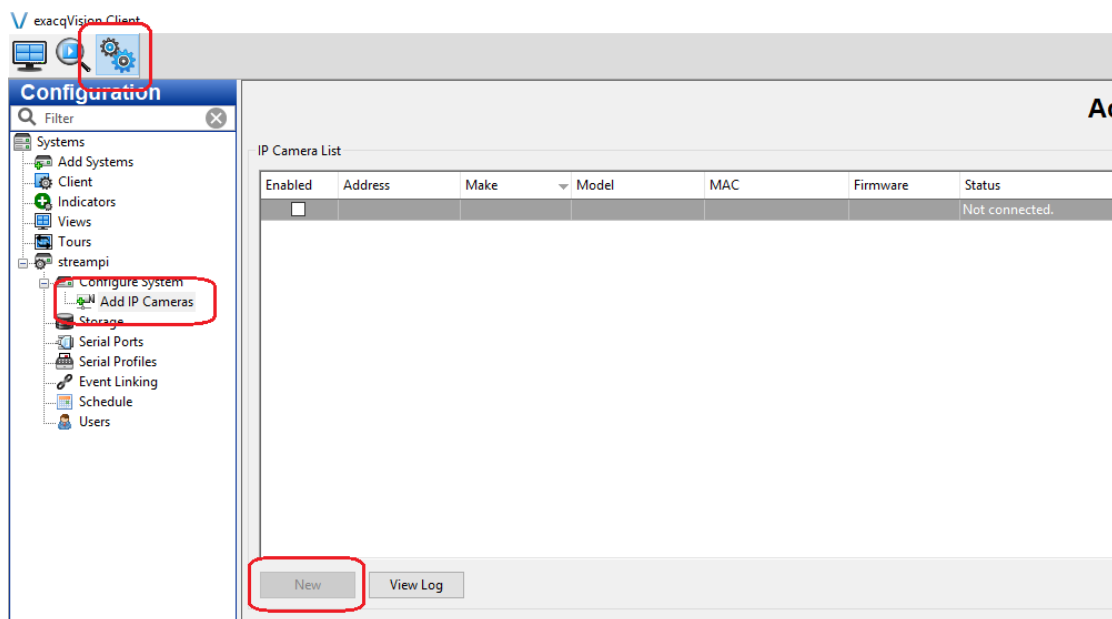
1. Mount the Louroe Digifact device in the desired location and plug it into a Power over ethernet (PoE) source or alternately powered by an external DC power supply, for detailed power and network options please refer to the Digifact device quick start guide.
2. On the device User interface navigate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



- 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.

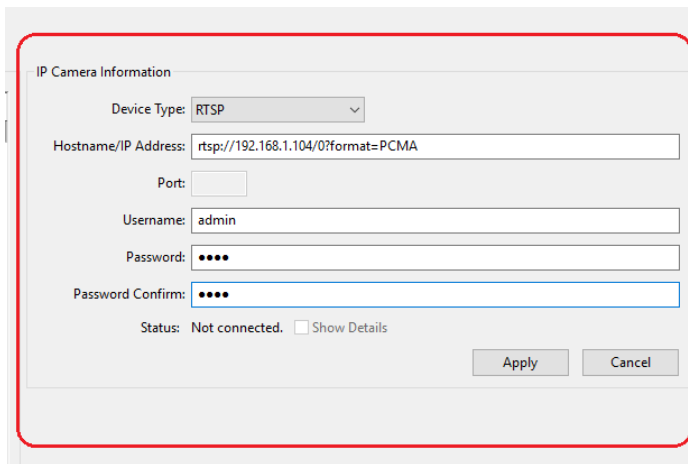


- Open Exacqvision client and navigate to “Add IP Cameras” under the settings menu, and click on “New”

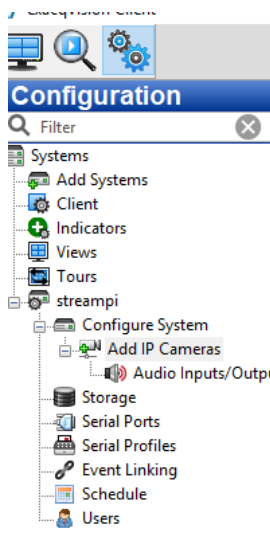


- Under the IP Camera information fields enter the following:  
 Device Type: RTSP  
 - Hostname/IP address: `rtsp://xxx.xxx.xxx.xxx/0?format=yyyy`  
*xxx.xxx.xxx.xxx – IP address of Digifact Device*  
*yyyy – Available formats are*  
*L16 – PCM*  
*PCMA – G.711 a-law*  
*PCMU – G.711 mu-law*  
*G726-40 – G.726*  
*MPA*

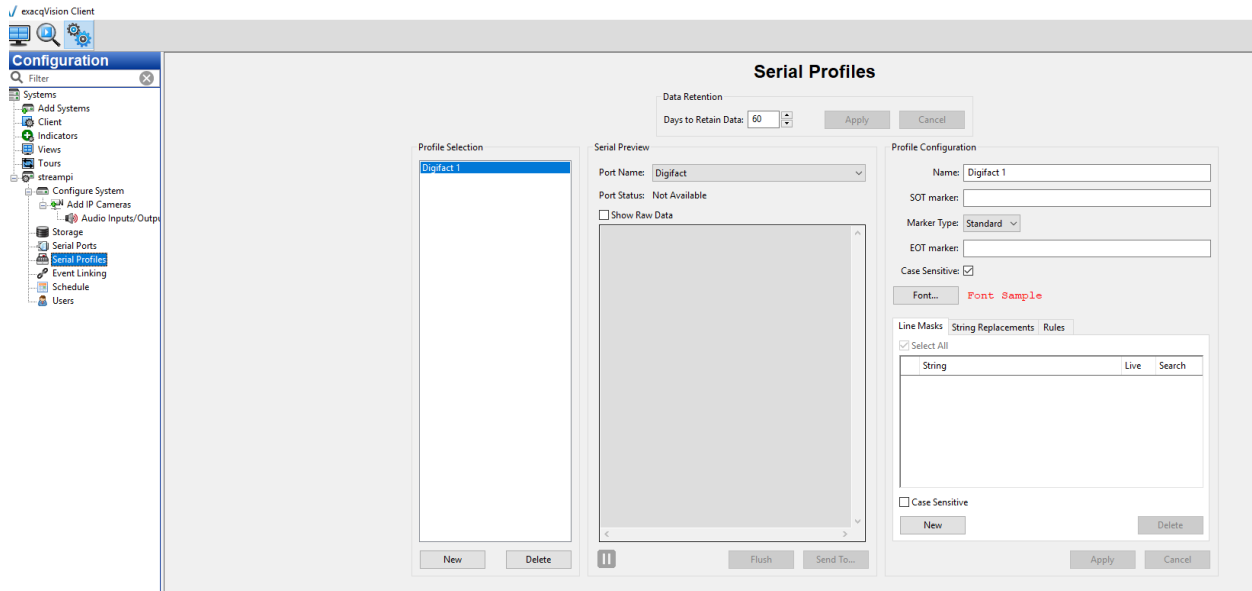
Username and password of Digifact device and click on the “Apply” button



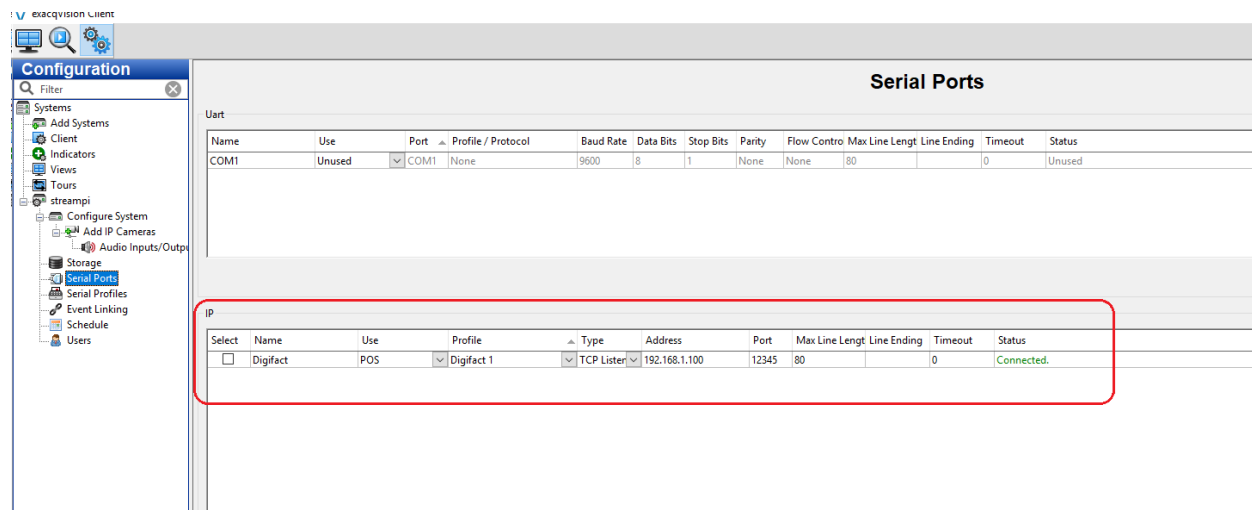
- The device will appear as an audio in/out device on the Exacqvision system tree and the audio feed from the device can be accessed by dragging and dropping the device from the device tree onto the desired frame in the “live view” section of the Exacqvision user interface.



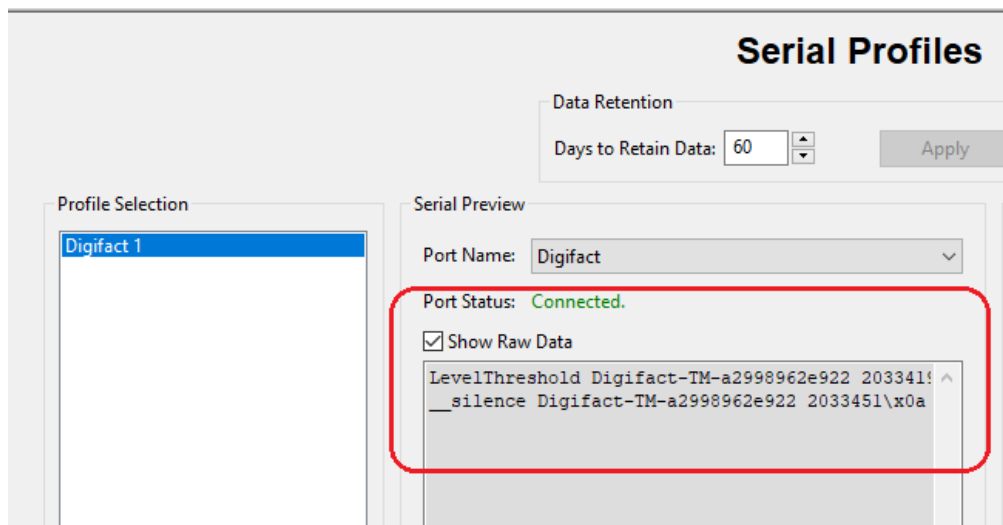
- To send Audio Analytic events to the Exacqvision server; a serial port needs to be defined and configured between the Digifact device and Exacqvision server. On the Exacqvision client user interface, go to settings – Serial profiles and create a new serial profile;



- 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)*



- 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.



**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 **Exacqvision Video Management System**.

When used with Audio Analytic applications, in response to the event data, several event actions **must** 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 **minimum** 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, please contact Louroe Electronics at [\(818\) 994 6498](tel:8189946498) for additional information.

**Support Contacts**

(Technical Support, Training tools, and more)

**ExacqVision**

<https://exacq.com/support/>

**Louroe Electronics**

<https://louroe.com>

