

A large, abstract graphic on the left side of the page consists of several overlapping, rounded rectangular shapes in various shades of gray, creating a layered, geometric effect.

Video Insight OPTEX REDSCAN RLS-3060 Integration Guide

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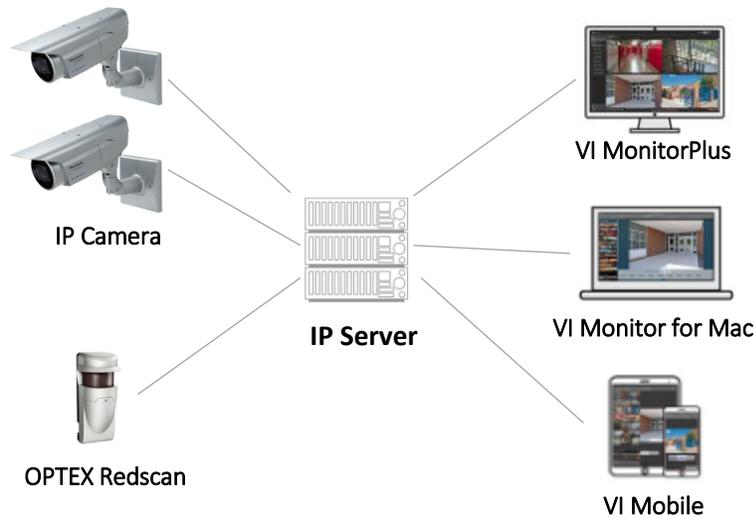
Rev 04/18

1. INTRODUCTION

Video Insight VMS integrates **OPTEX Redscan RLS-3060** series laser scan detector for a more accurate Motion Trigger system. This document describes the Integration Overview and how to connect OPTEX Redscan to Video Insight VMS.

1.1 SYSTEM OVERVIEW

OPTEX Redscan devices can be added to Video Insight VMS the same way as a camera, even with no streaming video, and Triggers can be configured in Rule Manager for actions such as: **Live pop-up**, **Email sending**, and **PTZ camera control**, among others.



1.2 SOFTWARE COMPONENTS

1.2.A Supported Devices

The OPTEX Redscan models supported by Video Insight VMS are:

Device	Firmware version
OPTEX Redscan RLS-3060L	Version 8.0.0.0
OPTEX Redscan RLS-3060H	Version 8.0.0.0

1.2.B Required Software

OPTEX Redscan only requires the following standard software for its integration:

Software	Version
Video Insight VMS	Version 7.5 or later

1.3 FEATURES

The following table lists the OPTEX Redscan features available for Video Insight VMS.

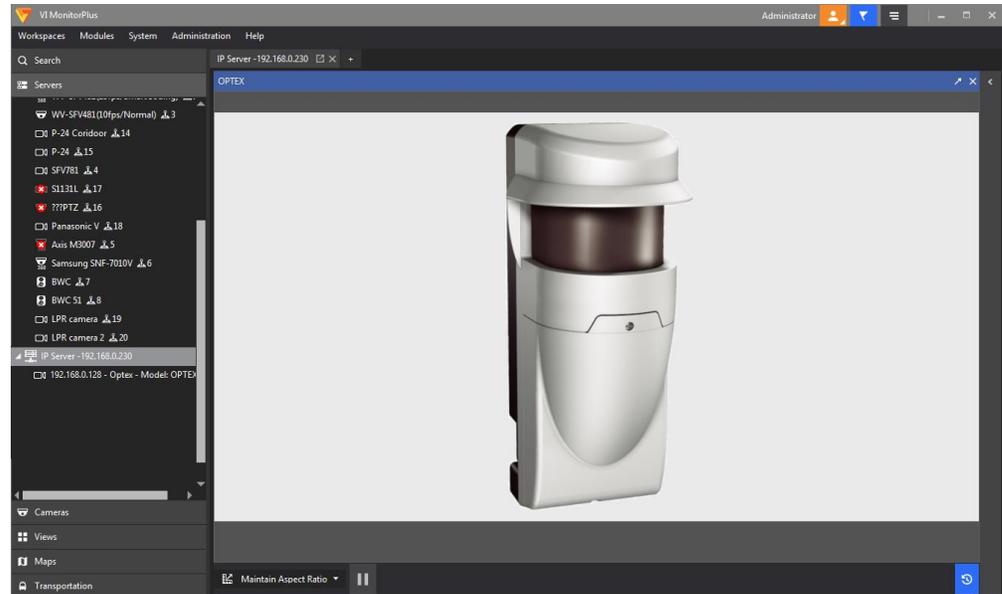
Item	How to use	Notes
Relay Input	Rule Trigger Event	Detects when closed
Relay Outputs	Rule Action	Activates the 3 relay outputs to open or close.
Event	Rule Trigger Event	<p>The following events can be detected:</p> <ul style="list-style-type: none"> • Alarm Zone A1 • Alarm Zone A2 • Alarm Zone B1 • Alarm Zone B2 • Alarm Zone A11 • Alarm Zone A12 • Alarm Zone B21 • Alarm Zone B22 • Environmental Disqualification • Anti-Rotation Alarm • Anti-Masking Alarm • Internal Error Alarm • Soiling Detection • Physical Tamper Detection

2. SETUP

As mentioned in **System Overview**, OPTEX Redscan can be installed the same way as a camera. The steps for the setup are:

1. **Add** the OPTEX Redscan to IP Server.
2. Create **New Rule configuration** for the OPTEX Redscan Triggers and Actions.

After adding the OPTEX Redscan to the IP Server, the device will appear in the left tree, and its picture will be displayed instead of the video streaming.



2.1 ADD OPTEX REDSCAN

Auto Discover and **Add Manually** options are available for OPTEX Redscan.

To add the device, go to **“Server Setup”** in VI MonitorPlus with Administrator permission, and open the **“Cameras”** tab.

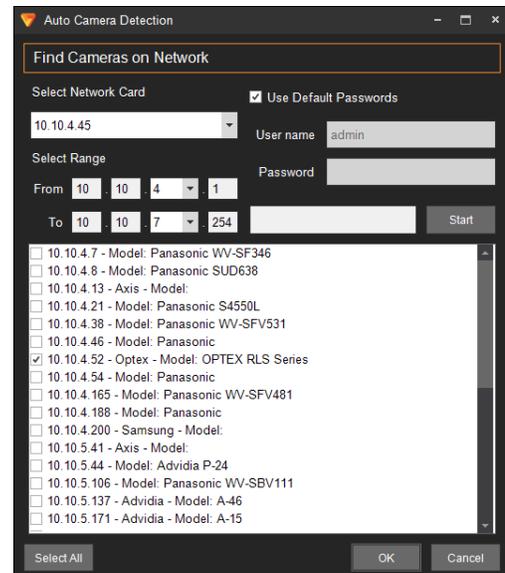
2.1.A Auto Discover

Click **“Auto Discover”**, then **“Start”**.

When detected in the network, OPTEX Redscan devices will appear in the Cameras list:

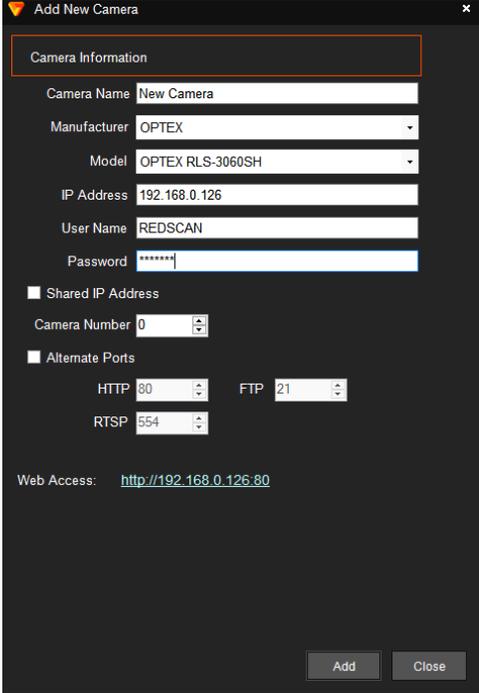
Select **Optex – Model OPTEX RLS Series**, then go to **Camera Setup** and change the model to **Optex RLS-3060H** or **RLS-3060L**.

NOTE - In order to be detected in the network, each OPTEX Redscan device **must have a valid IP address**.



2.1.B Add Manually

Click “Add Manually”, fill out all the information for the **OPTEX Redscan RLS-3060** device to be installed and click “Add”.

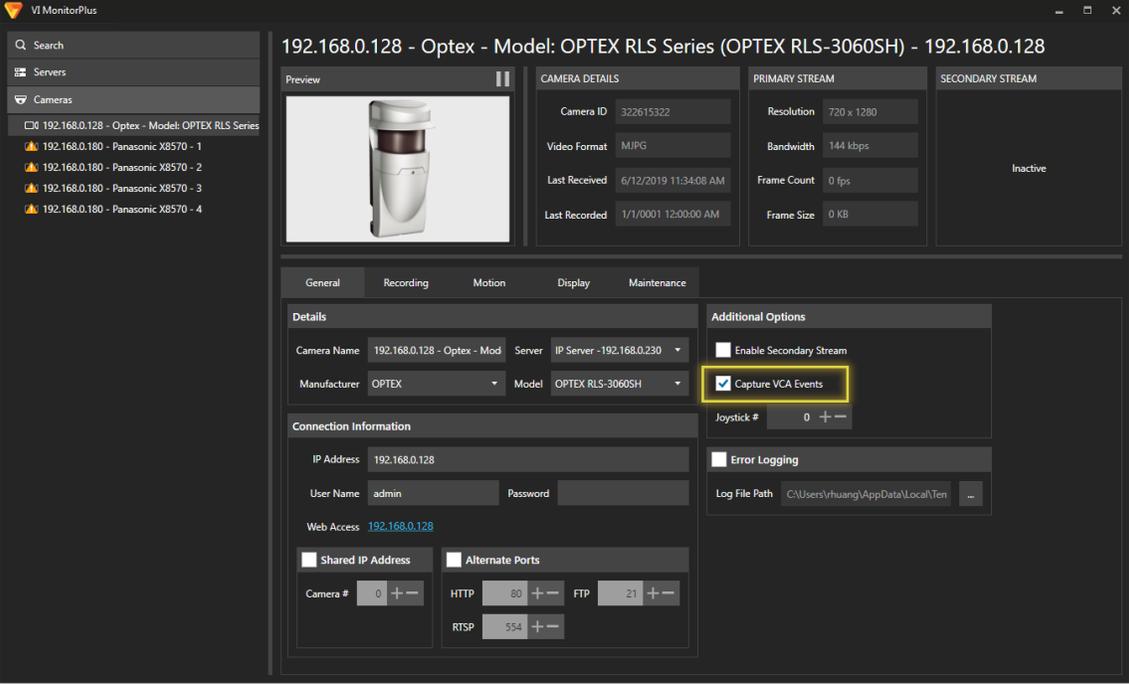


The "Add New Camera" dialog box contains the following fields and options:

- Camera Information** (highlighted with a red box):
 - Camera Name: New Camera
 - Manufacturer: OPTEX
 - Model: OPTEX RLS-3060SH
 - IP Address: 192.168.0.126
 - User Name: REDSCAN
 - Password: [masked]
- Shared IP Address
- Camera Number: 0
- Alternate Ports
 - HTTP: 80
 - FTP: 21
 - RTSP: 554
- Web Access: <http://192.168.0.126:80>
- Buttons: Add, Close

2.1.C Configuration

After adding the device, complete the **Camera Setup** to confirm whether “**Capture VCA Events**” is enabled.



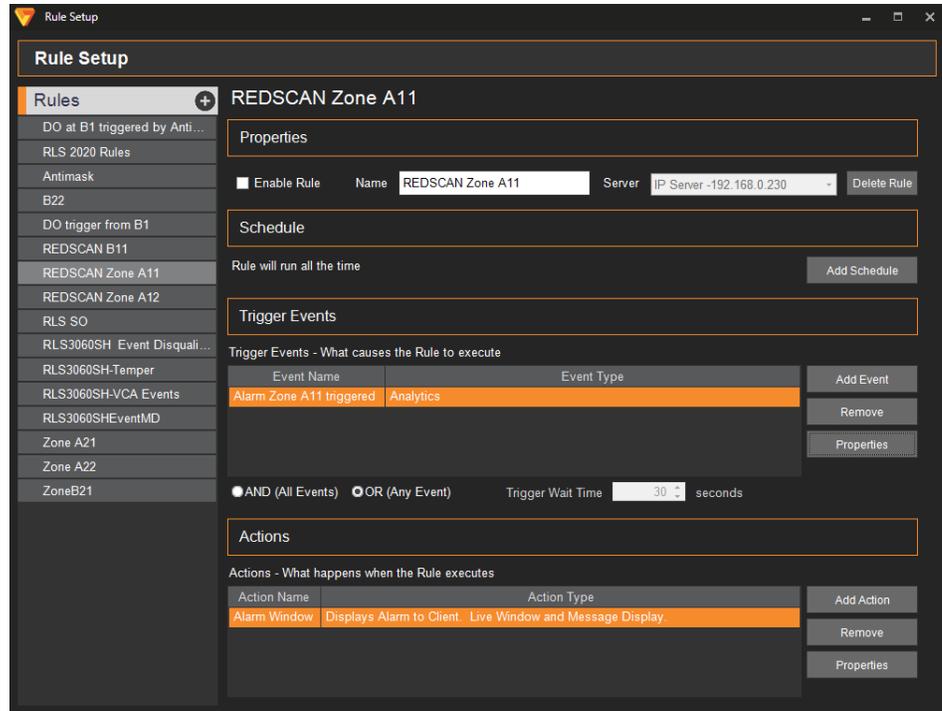
The screenshot shows the "Camera Setup" configuration page for the camera 192.168.0.128 - Optex - Model: OPTEX RLS Series (OPTEX RLS-3060SH) - 192.168.0.128. The "Additional Options" section has the "Capture VCA Events" checkbox checked and highlighted with a yellow box.

Section	Field	Value
Details	Camera Name	192.168.0.128 - Optex - Mod
	Manufacturer	OPTEX
	Model	OPTEX RLS-3060SH
	Server	IP Server -192.168.0.230
Connection Information	IP Address	192.168.0.128
	User Name	admin
	Password	[masked]
Alternate Ports	Camera #	0
	HTTP	80
	FTP	21
	RTSP	554
Additional Options	Enable Secondary Stream	<input type="checkbox"/>
	Capture VCA Events	<input checked="" type="checkbox"/>
Error Logging	Joystick #	0
	Log File Path	C:\Users\yhuang\AppData\Local\Ten...

2.2 RULE MANAGER CONFIGURATION

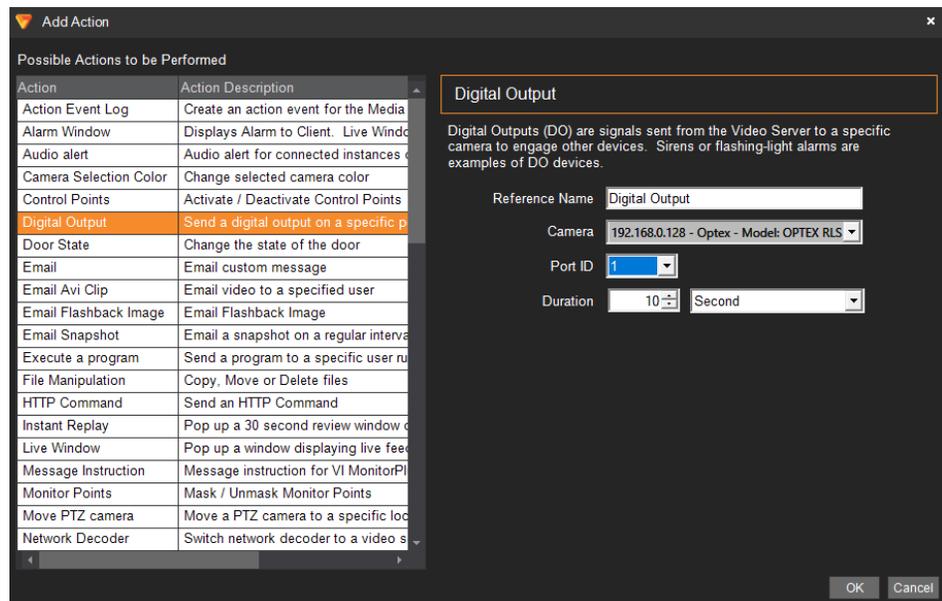
Access the **Rule Manager** configuration in VI MonitorPlus (*Administration -> Servers -> Rules*).

Select the **OPTEX** device from the Device List on the left.



2.2.A Actions

In the **Add Action / Digital Output** option, select “**Digital Output**” from the list on the left to configure it as an **Action**; In the data input form, add a unique **Reference Name**, then select **OPTEX Redscan** from the **Camera** drop-down list. Set the **Port ID** and define the **Duration** required for the Action.



Other Actions like: **Email**, **Alarm Window** and **PTZ Camera control**, among others, can also be defined and configured.

2.3 COMMUNICATIONS PROTOCOL SETUP

VMS supports multiple REDSCAN 3060 devices which send a REC code (event code) over UDP to a single port of IP Server. However, it doesn't support multiple REDSCAN 3060 devices sending event codes to a single port on VMS over TCP.

NOTE – If only TCP will be used, configure individual ports for each REDSCAN device.

Open the **Redscan Manager**, with the **REDWALL Event Code** tab activated.

In the **Protocol** section, If both **UDP** and **TCP** are enabled, VMS will try to connect via TCP first; if it fails, it will automatically switch to UDP.

I/O Settings

REDWALL Event Code Terminal

Protocol

UDP TCP UDP and TCP

Detector ID

Use and arbitrary number (0-999)

Transmission Interval of Trouble Code

(1-3600 sec.)

Clear Code Timing

(2-60 sec.)

Heartbeat for Device Monitoring

Heartbeat for Device Monitoring

UDP

Scope Broadcast Unicast

IP Address (Destination)

Port Number (Destination) (0-65535)

Number of Transmission (1-20)

TCP

IP Address (Destination)

Port Number (Destination) (0-65535)

Save Cancel