

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 Integration Guide

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Latest updated: Thursday, August 23, 2018

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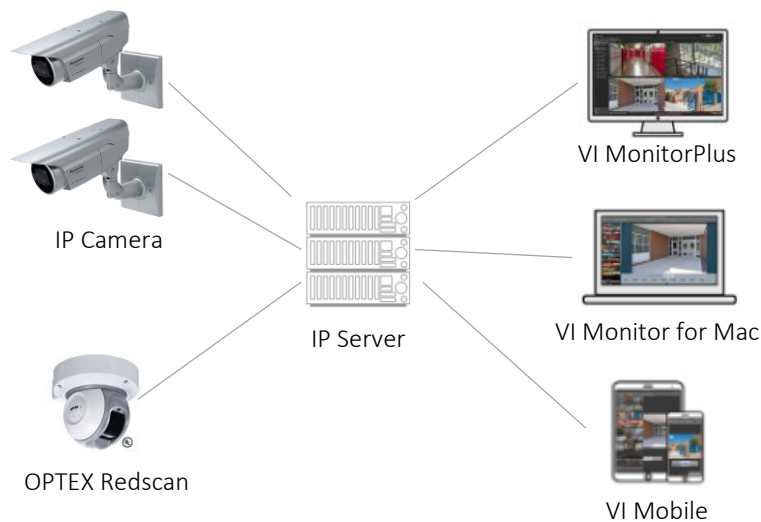
Rev 04/18

1. INTRODUCTION

Video Insight VMS integrates OPTEX Redscan (RLS-2020 series) 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 can be added to Video Insight VMS the same way as a camera, even with no streaming video, and triggers from OPTEX Redscan can be configured in Rule Manager for actions such as: Live pop-up, Email sending, PTZ camera control, and 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-2020I	Version 2.0b or later
OPTEX Redscan RLS-2020S	Version 2.0b or later

1.2.B Required Software

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

Software	Version
Video Insight VMS	Version 7.2.0 or later

1.3 FEATURES

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

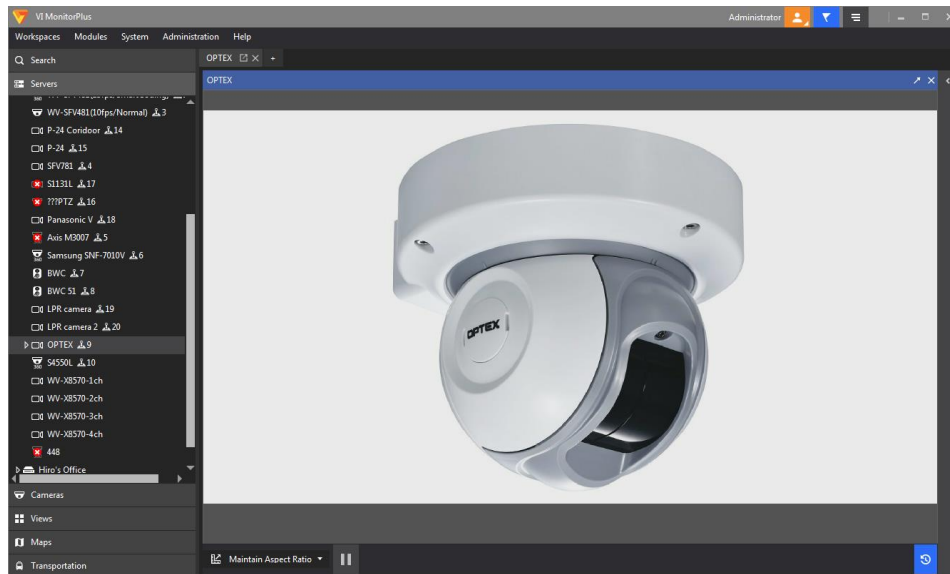
Item	How to use	Notes
Relay Input	Rule Trigger Event	Detects when closed
Relay Outputs	Rule Action	Activates the 3 relay outputs to open or close.
Event	Rule Trigger Event	The following events can be detected: <ul style="list-style-type: none">• Alarm Zone A1• Alarm Zone A2• Alarm Zone B1• Alarm Zone B2• 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 configurations 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.

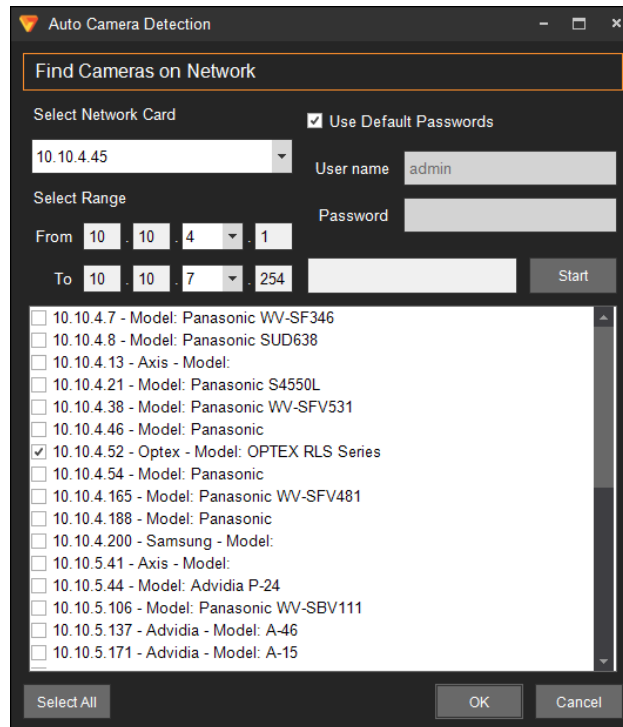


2.1 ADD OPTEX REDSCAN

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, OPEX Redscan devices will appear in the Cameras list:



Note: In order to be detected in the network, each OPEX 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 to be installed and click “Add”.

Add New Camera

Camera Information

Camera Name: New Camera

Manufacturer: OPTEx

Model: OPTEx RLS-2020I

IP Address: 10.10.4.52

User Name: REDSKAN

Password: *****

Shared IP Address

Camera Number: 0

Alternate Ports

HTTP: 80 FTP: 21

RTSP: 554

Web Access: <http://10.10.4.52:80>

Add Close

2.1.C Configuration

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

Camera Setup

OPTEx Changed Save Now

General Advanced Maintenance

Record Settings

Capture Format: MJPEG

Resolution: Use Camera Setting

Record: 10 frames per Second

Capture Quality: Use Camera Setting

Recording Type: Record Off

Max Disk Space: 0 (in GB)

Image Location: F:\video\10.10.4.52-1107134654

Max File Size: 800 (in MB)

Delete After: 999 days

Capture VCA Events

On-Screen Display

Top Left Top Center Top Right

Bottom Left Bottom Center Bottom Right

Off

Live Camera Statistics

Received Resolution: 1280 x 720 Last R

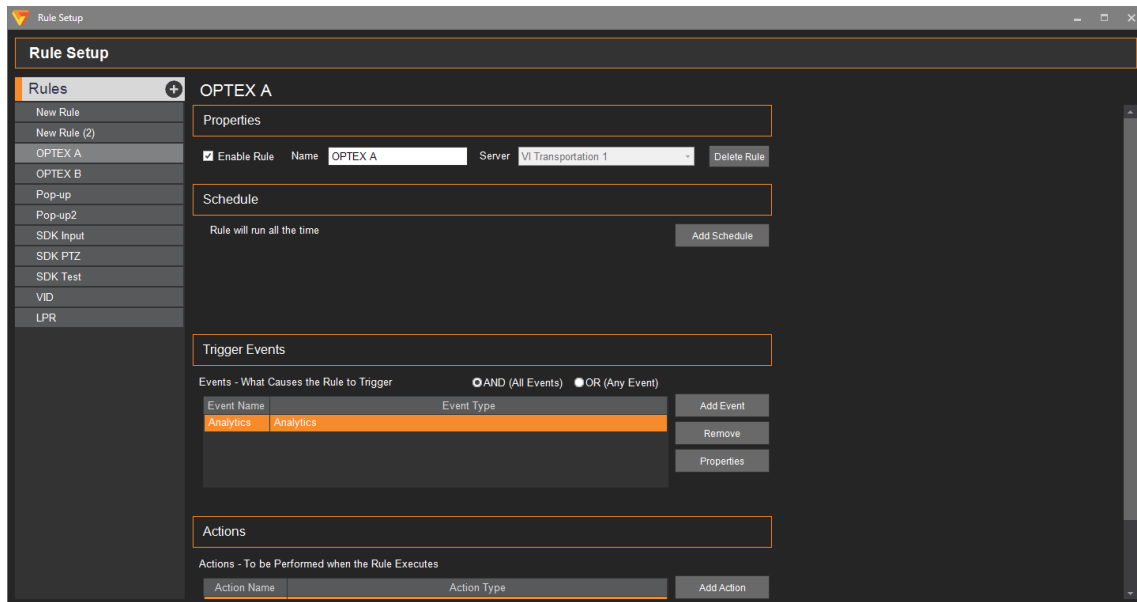
Bandwidth: 8000 kbps La

Frames: 10

Frame Size: 88 KB Ca

2.2 RULE MANAGER CONFIGURATION

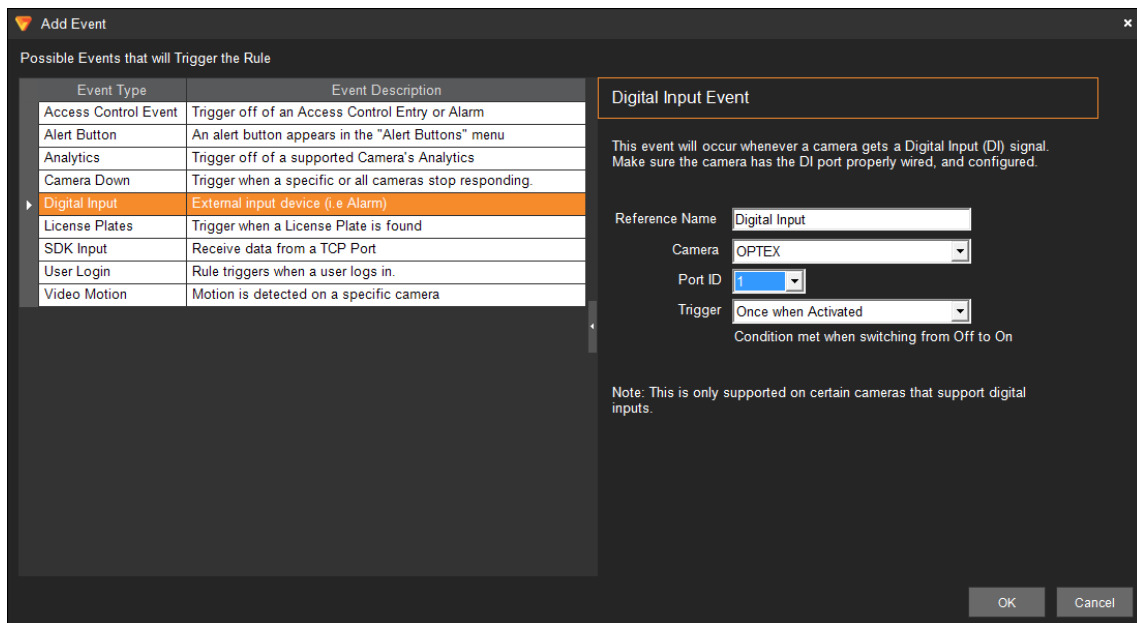
Access the **Rule Manager** configuration in VI MonitorPlus (*Administration -> Servers -> Rules*).



2.2.A Event Trigger

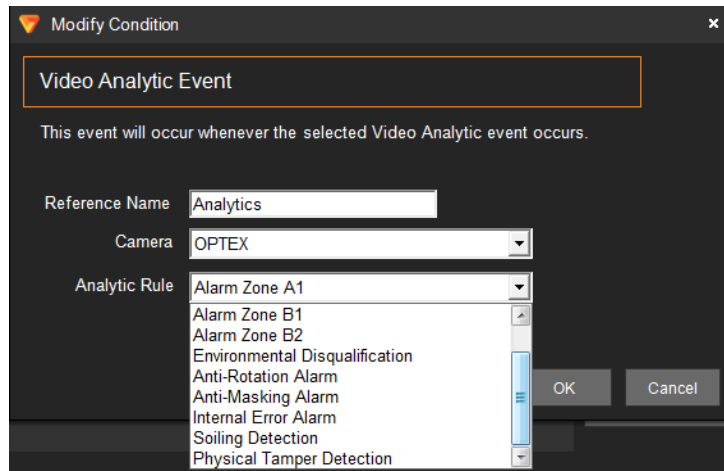
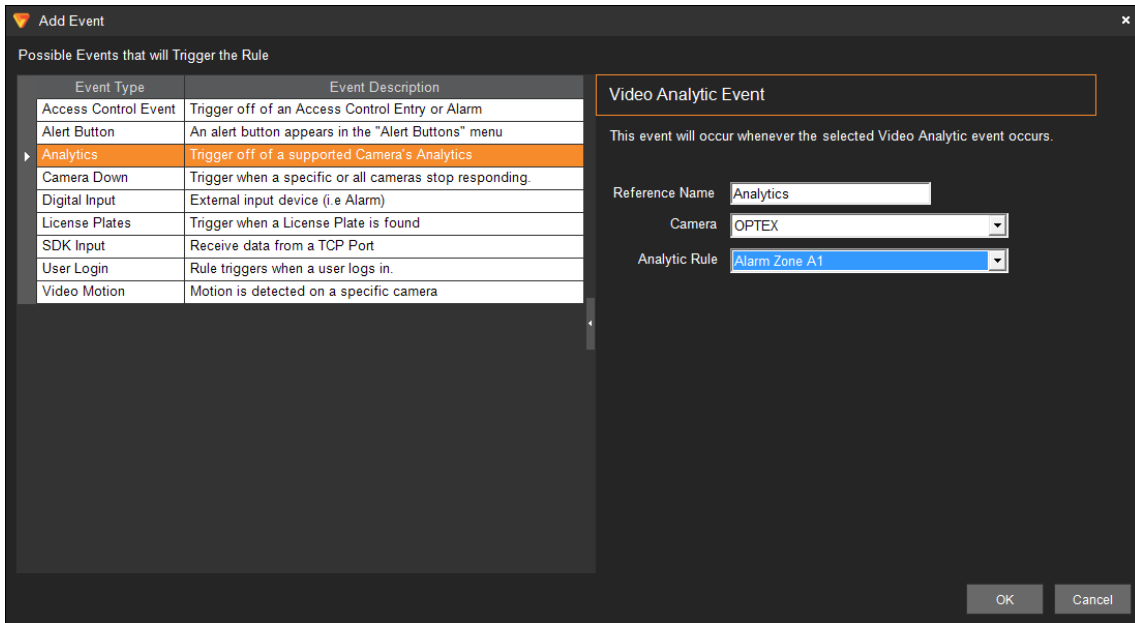
(1) RELAY INPUT

In the **Add Event / Digital Input Event** option, define “Digital Input” as the Reference Name to set the Relay Input as an event trigger; select OPTEX Redscan from the Camera drop-down list and then select the Port ID.



(2) EVENT

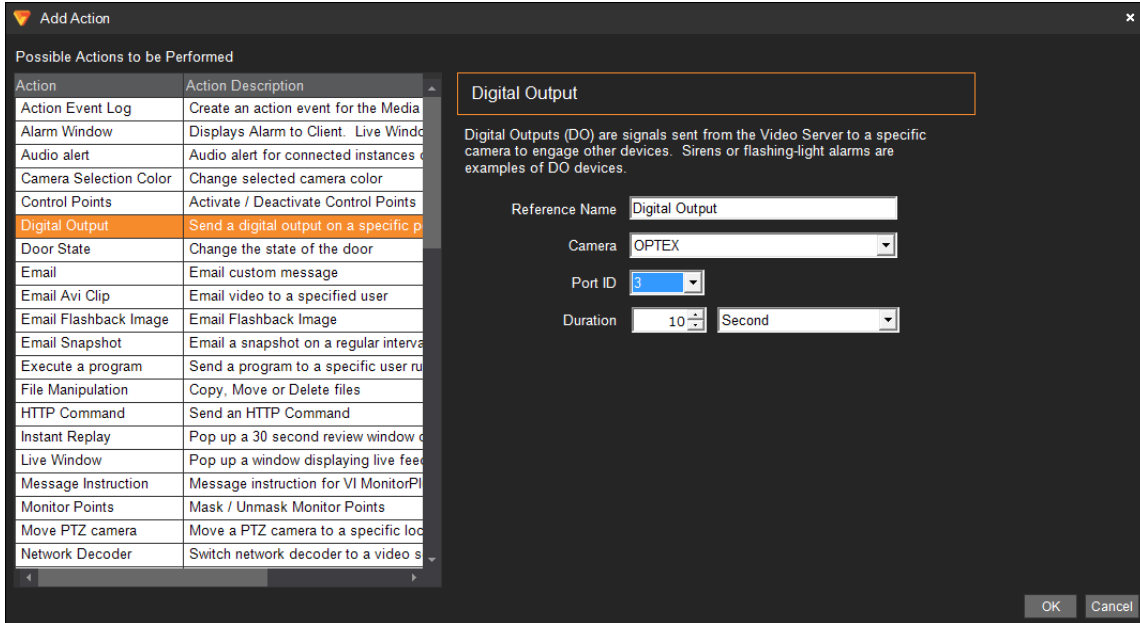
In the **Add Event / Video Analytic Event** option, define “Analytics” as the Reference Name; select OPTEX Redscan from the Camera drop-down list, and then select the specific event from the “Analytic Rule” list.



2.2.B Action

(1) RELAY OUTPUTS

In the **Add Action / Digital Output** option, define “Digital Output” to configure it as an Action; select OPTEX Redscan from the Camera drop-down list and set the Port ID. Define the Duration required for the action.



(2) OTHER

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