Mirasys VMS
Optex Integration Connector

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Mirasys Optex Connector

- Mirasys Video Management System has been integrated with the Optex PoE IP Encoder (PIE) supporting SIP series detectors and with Redwall Redscan detectors.

- Mirasys VMS supports receiving Optex detector messages through configurable text data channel (Universal Data Driver, a.k.a UDD).

- The integration is based on Optex event code messaging over the TCP/IP protocol.

  - The communication is 1-way from Optex to the VMS.

- Integration is provided using all the event codes.

Mirasys PIE SIP Connector - Features

- The integration supports the following PIE (SIP) events:
    - **Far zone alarm –** FR sent from PIE.
    - **Near zone alarm –** NR sent from PIE.
    - **Creep zone alarm –** CR sent from PIE.
    - **Far and near zone alarm –** FN sent from PIE.
    - **Multiple alarm combinations –** XY (CR & NR), YZ (NR & FR), XZ (CR & FR or FN) sent from PIE.
    - **Tamper alarm –** TA sent from PIE.
    - **Trouble alarm –** TR sent from PIE.
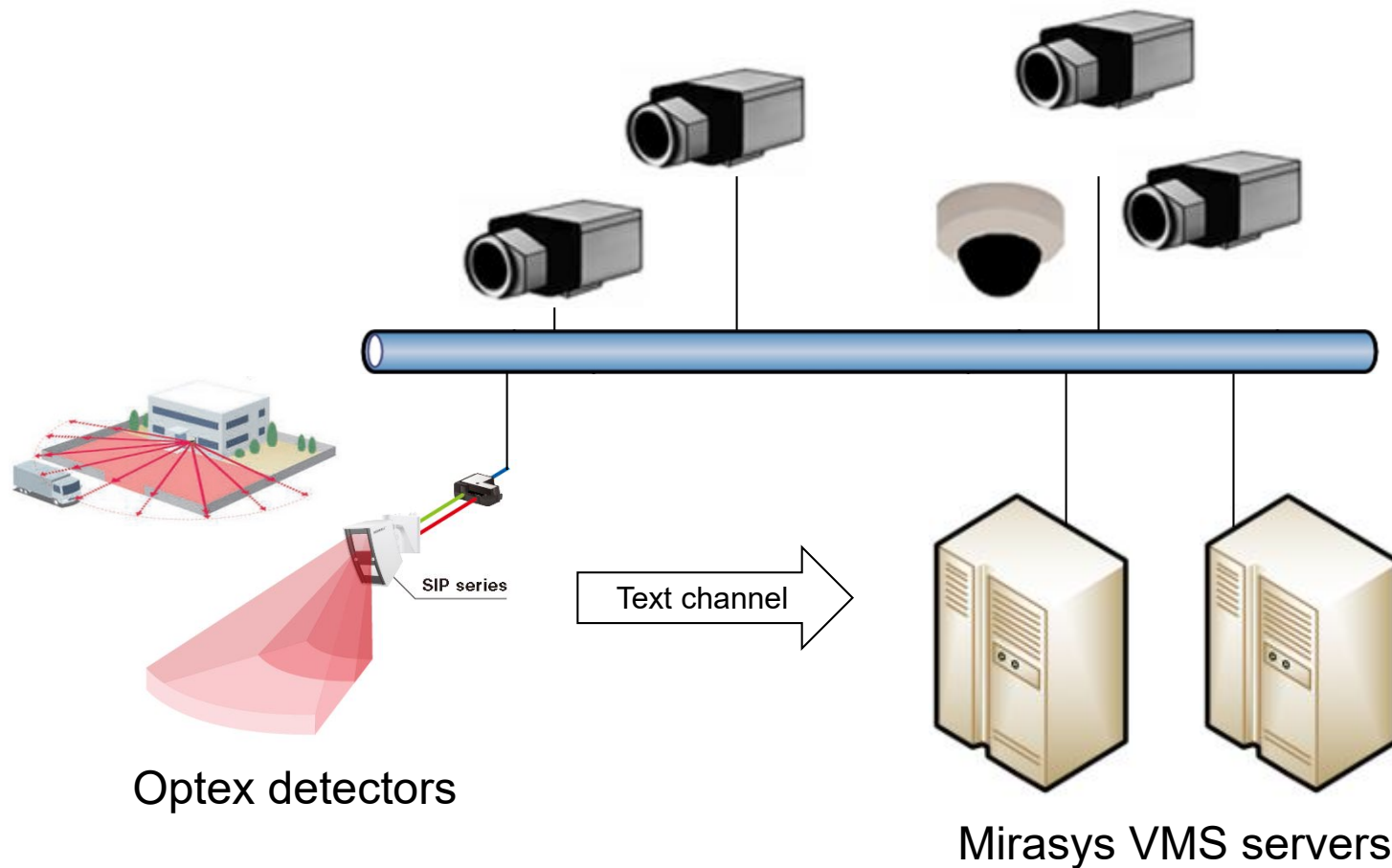   - **Alarm clearing –** CL sent from PIE.

Mirasys Redwall Redscan Connector – 4 zones

- The integration supports the following events:
  - **Zone alarm –** A1, A2, B1, B2 event sent from detector.
  - **Multiple alarm combinations –** AA, ba, Ba, bA, BA, BB event sent from detector.
  - **Tamper alarm –** TA sent from detector.
  - **Trouble alarm –** TR sent from detector.
  - **Masking alarm –** AM sent from detector.
  - **Dirt alarm –** SO sent from detector.
  - **Severe weather condition alarm –** DQ sent from detector.
  - **Alarm clearing –** CL sent from detector.

Mirasys Redwall Redscan Connector – 8 zones

- The integration supports the following events:
    - **Zone alarm –** A11, A12, A21, A22, B11, B12, B21, B22 event sent from detector.
    - **Multiple alarm combinations –** AA, ba, Ba, bA, BA, BB event sent from detector.
    - **Tamper alarm –** TA sent from detector.
    - **Trouble alarm –** TR sent from detector.
    - **Masking alarm –** AM sent from detector.
    - **Dirt alarm –** SO sent from detector.
    - **Severe weather condition alarm –** DQ sent from detector.
    - **Alarm clearing –** CL sent from detector.

Mirasys Optex Connector

Optex detectors

SIP series

Text channel

Mirasys VMS servers

Mirasys Optex Connector – Use Case

- Event messages the alarm panel is sending can be used to trigger Mirasys VMS alarm action.

- Alarms are configured like any VMS alarm using System Manager,

- Alarm action(s) can be any of the below or a combination

  - Opening camera(s) in pop-up window and start recording video/audio,

  - Turn PTZ camera(s) or start tour,

  - Send email to selected recipient(s),

  - Trigger digital I/O output,

- Like any VMS alarm, also detector initiated alarms are logged into the alarm database and can be reported later using Mirasys Reporting Tool.