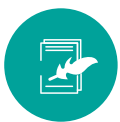




# Joint Value Proposition

Dahua ECO partner program



Empower



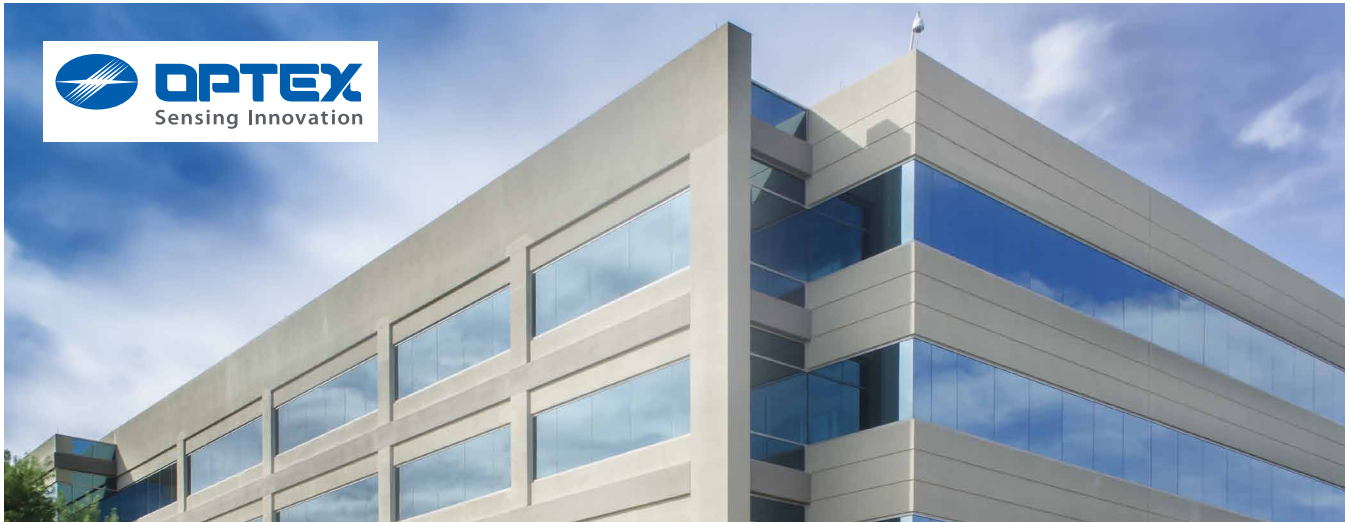
Cooperate



Open

## About OPTEX

OPTEX® has been manufacturing sensors for 40 years and has developed an expertise in outdoor detection, OPTEX offers a multi-layered approach to intrusion detection that protects the perimeter, approach, building, roofs, critical assets and controlled areas. With sensing technologies ranging from passive and active infrared, microwave to LiDAR and fiber optics, OPTEX can provide the best combination of sensors to suit the requirements of any site and environment. Its LIDARs, IP outdoor PIRs and infrared beams are integrated with Dahua NVR's. All OPTEX sensors are unaffected by variable lighting and adverse weather conditions and provide extremely reliable outdoor detection to initiate events within a CCTV system.



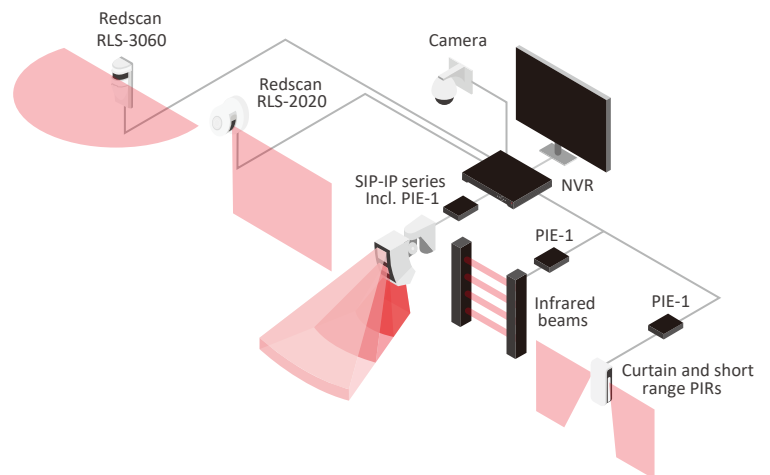
## Interoperability

### NVR Pro Series (NVR5xxx-4KS2 series)

- Firmware:  
TEMP\_Customer\_NVR5XXX-4KS2\_MultiLang\_Optex\_V4.001.151Z000.0.T.201030

### OPTEX Supported Versions

- Redscan:  
RLS2020 Version, 2.0b (19Feb2018)  
RLS3060(8.3.0.0)
- PIE-1: version 1.2.0



## Joint Solution

### Features

- Report alarm-area data
- Diagnose Tamper/Trouble Sensor events
- Heartbeat monitoring (Device online/offline monitoring)
- Alarm + Camera linkage action
- PTZ linkage
- Event logging
- Storage schedule





### Perimeter Security

OPTEX provides a range of sensors to protect open or fenced perimeters against intrusion. It can be achieved using active infrared beams, offering a virtual perimeter up to 200m or with LiDAR technology providing up to 100m virtual wall.





### Approach Detection



In an open area on site, it is important to detect the movement of intruders or vehicles. For this purpose, OPTEX IP long range sensor provide a large volumetric detection which can be segmented in zones to track the objects and trigger the camera to present cameras and events.



### Building/Roof Protection

The last layer of protection before intruders can get in the property is the building itself. Detecting people on the roof trying to get access to skylights or along the building attempting access through a window, fire exit etc. For the roof protection our LiDARs range provides a very reliable and stable detection, suitable for the harsh environments. For the immediate access to the building, OPTEX's curtain and short range sensors can be used and added to the network using the Optex's PIE-1 IP module.

Sensor Series	Key Features
<p>Active infrared beams or beam towers AX and SL series</p> 	<ul style="list-style-type: none"> <li>• Up to 200m detection create a virtual perimeter</li> <li>• Sun and UV resistant</li> <li>• Provide easy alignment tools</li> <li>• Up to 3 meter beam towers available</li> <li>• Requires an additional OPTEX PIE-1 Module to become an IP sensor and be integrated with Dahua's NVRs</li> </ul>
<p>Short and Long range LiDARs Redscan Series</p> 	<ul style="list-style-type: none"> <li>• 95°, 20x20m or extended 30m radius (Redscan RLS-2020 series)</li> <li>• 190°, 30m radius extended to 50m (RLS-3060 series)</li> <li>• Create customized virtual wall and panes</li> <li>• Detect size, speed, distance of the object</li> <li>• Give the exact X&amp;Y coordinates</li> <li>• 4 to 8 independent detection zones</li> <li>• Directly Integrated with Dahua's NVRs</li> </ul>

Sensor Series	Key Features
 Long range volumetric IP outdoor PIRs SIP-IP-BOX Series	<ul style="list-style-type: none"><li>• 30x20, 40x10, 50x30 Or 100x3m detection areas</li><li>• 2 to 3 independent detection zones for tracking with independent outputs</li><li>• High level of accuracy</li><li>• Designed to work with CCTV systems</li><li>• Directly integrated with Dahua's NVRs</li></ul>
 Curtain PIRs and short range 90°. 180° PIRs (BX, VX, WX series)	<ul style="list-style-type: none"><li>• Curtain up to 24m (BXS series)</li><li>• Volumetric 90° (VX series), 180° (WX series) 12m sensors</li><li>• Pet tolerant</li><li>• Sensing analytics</li><li>• Requires an additional OPTEX PIE-1 module to integrate with Dahua's NVRs</li></ul>

### Smarter Together

Our joint solution can be used in the following scenarios:



Critical Infrastructure



City Surveillance



Building

[www.smarter2gether.com](http://www.smarter2gether.com)

Ver. 1, Nov. 2020



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