



360i TOTAL PERIMETER PROTECTION

The word "security" nowadays encompasses a wide range of tactics, methods and solutions. But whether securing a single building, a strategic site, sensitive installation or the borders of an entire state, there is a need to begin by creating an impassable boundary. 360i is the solution for total perimeter protection.

Orad offers this advanced overall solution, which can be tailored exactly to fit customers' requirements and needs. It completely prevents illegal penetration, creating an impassable boundary enabled by one advanced system.

Market applications

The 360i was initially developed for hermetically sealing borders and perimeters of countries and widespread security installations. Its vast range of applications can be tailored to fit any solution:

- + Borders: International boundaries, Border crossings
- + Strategic installations: Energy, Water, Communications, Prison, Military, Secret Service, VIP Protection
- + Transportation: Airports, Seaports, Railway Stations
- + Civilian applications: Campuses (universities, hi-tech companies), Logistics centers, Factories

360i - Impenetrable

- + The most sophisticated total security system available today.
- + Incorporates any type of sensor that suits client's needs and requirements.
- + Superb detection and tracking ability in all weather and lighting conditions.
- + Can identify and track multiple stationary and mobile targets.
- + Incorporated radar detection system.
- + Video cameras for diverse ranges, from ultra-long range to wide angle close range
- + Can include "Discoverii" - a compact and covert active-infrared night-vision system.
- + System controlled and monitored from a central command & control base.
- + Wired and wireless communications.
- + Includes the "Brain" - advanced learning algorithms that represent the next generation in motion detection (VMD). These intelligent algorithms utilize pattern and shape recognition, hypothesis testing, existing statistical information and more.



Borders



Sea port



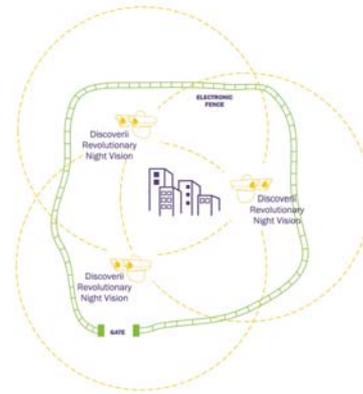
Discoverii - day/night vision system

Configuration options

Internal Coverage

The ideal solution for small and medium sized installations, such as factories, military bases and campuses.

- + Combines a smart electronic fence with an array of advanced, long-range security cameras for detection.
- + Uses Discoverii for high quality night vision, with optional PTZ for positive identification.
- + Intrusion attempts are detected by perimeter fence (VIPER) and peripheral sensors.
- + Security cameras automatically lock on to the suspected objects, and transfer live images to the command & control center, permitting accurate identification of the threat.
- + Cameras automatically track intruders using VMD system, until they are intercepted by intervention units.



Internal Coverage

Internal & External Coverage

The solution for large facilities and sensitive border areas.

- + Virtual screen created by advanced security cameras integrated with intelligent algorithms and VMD systems along the perimeter.
- + Perimeter cameras supply ongoing live images of the "sterile zone".
- + Any attempt at penetration - or even approaching the fence beyond a defined range - is detected by the VMD system, which alerts the main command & control center and begins to automatically track the intruder.
- + This configuration can be combined with the Internal Coverage system to ensure the best protection possible.

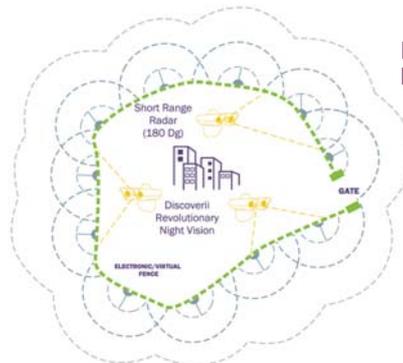


Internal & External Coverage

Internal & Long-Range Coverage

This solution is specifically designed for large, highly protective and sensitive sites, such as air or sea ports, national borders or pipelines.

- + Combines radar with smart long-range cameras, thus eliminating the need for costly manned patrols and multiple sensors.
- + Network of overlapping security radar protects the whole perimeter and inner area.
- + Entire system can be monitored from one main command & control center.
- + Tracks stationary and mobile targets in all weather and lighting conditions, within a range of a few kilometers.
- + Security cameras lock onto suspicious movement or intruders far from the actual perimeter, allowing ample warning time.
- + System can simultaneously deal with multiple threats and can be configured to set off an alarm, and activate supplementary security hardware and human response.



Internal & Long-Range Coverage

