



360° Protection for Offshore Oil and Gas Rigs

Offshore rigs represent a critical and complex security challenge, with billions of dollars in product, machinery, and infrastructure in play. Growing demand, coupled with the ongoing discovery of new oil and gas fields, has the global market growth of offshore enterprises projected to reach a value of \$43.07 billion by 2022. With so much at stake, terrorism, military attacks, piracy, and sabotage are constant concerns. With hundreds of rigs at sea vulnerable to these types of threats, rig owners need reliable, high sensitivity, 24/7 security solutions that can see for tens of kilometers in every direction, regardless of weather conditions at sea. Rig security teams require the ability to detect and assess security, safety, and environmental threats in the water and surrounding areas, especially at night. In particular, they need the ability to see vessels at great distances during periods of darkness, with 360° coverage and a high level of detail. Finally, because of the extremely high value of these facilities, and the number of invested parties both private and public, security solutions must support the option of shared camera views and interoperability among different systems.

Vumii has extensive experience in supplying effective protection for Oil and Natural Gas rigs in the Middle East and Asia.

Following successful installations in Israel and India, Vumii has proven itself as a reliable option for offshore rig protection. With features like ease of use, nighttime performance, and the ability to zoom-in to scenes at great distances with clarity, Vumii's broad portfolio of monitoring and surveillance systems provide our satisfied customers with ruggedized, cost-effective solutions for comprehensive offshore rig security.





Selecting the Best Thermal Security Cameras and Systems

For offshore rig security, a comprehensive security network designed to address the challenges associated with this unique environment is required. The most secure systems include the implementation of color day and thermal PTZ systems that meet long distance requirements, and support integration with detection analytics and other sensors. Radar, which can continuously scan for events in all directions, will alert a PTZ unit to take a closer look when an object of interest is detected. The combination of Vumii multi-sensor PTZ cameras with easily integratable sensors and radar systems leads to more effective, multi-layer protection.

The Accuracii family of cameras are powerful, long-range, dual sensor day and thermal PTZ systems for detection and observation. Extremely rugged, these market leading threat assessment systems are ideal for marine environments like those where offshore rigs are situated. This combination of high performance cameras, optics, and an accurate PTZ unit for 360° monitoring capabilities, creates a camera system that enables high contrast video, providing critical scene details 24/7 and in all weather conditions. When the cameras are tied to a web-based Physical Security Information Management (PSIM) system, it enables multiple organizations to share views from Vumii cameras.



Accuracii XRU



Accuracii XR



The Accuracii systems offer extreme long-range detection and vision capabilities of up to 20 kilometers. Options like laser range finder, thermal image stabilization, GPS, and easy integration with radar make these systems ideal for comprehensive rig protection. The systems are available in a range of configurations, including analog or IP, with a variety of continuous zoom lens options.

Vumii Accuracii XR and XRU camera systems leverage the power of thermal energy to see incredible details during the day or at night using highly sensitive, long-range optics. This enables rapid threat identification for a quick security team response to vessel threats.

Summary

With a layered approach to security, Vumii products provide blanket protection within diverse and challenging environments. By integrating the visual aspect of the Vumii cameras with radar, Automatic Identification Systems (AIS) for gathering ship data, and other software tools, rig security can tell what's on the water at all times, day or night, even in bad weather. Our broad range of sensors, from short range fire detection cameras, to extreme long range security cameras, along with our extensive network of integration partners, enables fast identification, better protection, and more value for customers.