

Extreme Series EX82 for Critical Infrastructure Surveillance



BOSCH

Invented for life

Industry:

Oil and Gas Facility

End User:

The Gas Company

provides gas energy to consumers, business and government throughout the state of Hawaii – Oahu, Maui, Hawaii, Kauai, Molokai and Lanai – and supplies synthetic natural gas (SNG) through a 1,100-mile pipeline network to over 28,000 commercial and residential utility customers. The Gas Company LLC is a wholly owned subsidiary of Macquarie Infrastructure Company (MIC). MIC owns, operates and invests in a diversified group of infrastructure businesses that provide basic services to customers across the United States.

Business Objective:

The Gas Company requires 24/7 surveillance for its sites to avoid vandalism, trespassing and other unauthorized activity. Video must be of high enough quality to be useful for law enforcement authorities conducting post-events investigations. It must have recognition level surveillance with a minimum number of cameras to discern between malicious and innocent activities. The company also wants to avoid installing expensive lighting that will increase light pollution in the area.

Solution:

The EX82 is a dual-sensor, dual-lens, Infrared Imager that delivers outstanding color performance by day and award winning night-time imaging for critical 24/7 surveillance applications.

Building from its patented Integrated Day/Night design, the EX82 Infrared Imager combines performance optics and ground-breaking Black Diamond IR Illumination technology for the most advanced level of night-time performance available today.

The EX82 is capable of delivering Recognition level imaging out to 150 ft (45m), enabling The Gas Company to reduce the number of cameras required. The EX82 is a cost effective all-in-one illuminator and day/night camera in a robust outdoor housing for simple, fast and easy installation.



EX82 Recognition at 150ft (45m)

The resulting video has high signal to noise ratio for high-resolution images, enabling night-time performance of video analytics such as Bosch Intelligent Video Analysis (IVA). The EX82's infrared is also covert to the human eye, causing no light pollution.

Result:

After the installation, The Gas Company is getting effective surveillance around the clock, day or night. The quality of the video evidence is helping in convicting criminals, reducing the crime rate at this critical infrastructure facility.