

Bosch Extreme Environment Cameras Secure Open Decks for Norwegian Cruise Line (NCL)



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“We have been installing EX14 Bosch Extreme Environment cameras for years now, and we have had no issues with them. Product reliability is the reason why we come back to the Bosch Extreme EX14 cameras project after project.” Mark White, General Manager, Empire Automation

Customer: Norwegian Cruise Line

Sector: Travel/Leisure

Product: EX14 Extreme Environment Cameras

The Challenge: Withstanding extreme weather on Norwegian Cruise Line (NCL)

For Norwegian Cruise Line, it was difficult to find cameras that were able to withstand the type of extreme environments that their cruise ships found themselves in at times. “Our cruise ships must be able to withstand storms – when wind can go up to 125 miles per hour. And, we demand the same thing from the cameras that we install in the open deck areas,” explained Samir Kljajic, Fleet Surveillance Manager of NCL. “Not to mention residual salt and galvanic transfer related corrosions,” Mark White, General Manager of Empire Automation stated. “After years of developing anti-corrosion kits for various cameras, the end result was disappointingly the same – the cameras lasted less than two years. Norwegian Cruise Line needed cameras that would help them monitor their open decks day and night even in the harshest conditions.”

Bosch Extreme Environment Cameras get the job done even in the toughest environments

Mark White evaluated the Bosch cameras and discovered that the Bosch Extreme Environment cameras were able to meet NCL’s wind and corrosion resistance requirements.

“We have been installing EX14 Bosch Extreme Environment cameras for years now on NCL cruise ships, and we have had no issues with them. Product reliability is the reason why we come back the Bosch Extreme EX14 cameras project after project.”

Samir Kljajic cannot agree more: “Ever since we’ve bought the Bosch Extreme EX14 cameras, I haven’t considered anything else to monitor our cruise ships’ open decks. For our application, mainly monitoring open decks day and night, they are unbeatable.”

Our Extreme Environment Solution

The Bosch Extreme Environment Cameras are all-environment cameras for harsh weather applications.

EX14 Extreme Environment cameras’ injection-molded ABS/Nylon resin is engineered specifically to withstand hot, cold, and wet environments. The cameras are weatherproof and IP66 compliant design for high-res image performance in the harshest environments.



EX14 cameras provide open deck surveillance for Norwegian Cruise Line (NCL).

Bosch Security Systems, Inc.

130 Perinton Parkway

Fairport, NY 14450

800-289-0096

www.boschsecurity.us