

## BLOG

### Dahua Takes the Lead in Bringing Advanced Security Technology to Antarctica



Antarctica is the Earth's southernmost and least populated continent. It holds the world record for the lowest temperature ever measured:  $-89.2^{\circ}\text{C}$  ( $-128.6^{\circ}\text{F}$ ). To help cover different scientific bases in the Argentine region of Antarctica, Dahua Technology has donated 15 security cameras specially developed to handle the harsh weather conditions in the "white continent". These devices enable 24-hour footage, increase contact and connectivity with scientists on the ground, and improve knowledge of local fauna and meteorology, allowing scientific research conducted in Antarctica to become more visible in Argentina.

For this project, Dahua developed a Closed-Circuit Television (CCTV) solution that can handle extreme weather conditions. It consists of [4MP Vari-focal Bullet WizMind Network Camera](#) and [2MP Starlight+ PTZ Camera](#) with 33x optical zoom capability to provide clear images of flora and fauna in the region, connecting the distant continent closer to the capital city of Argentina in real time. A customized Thermal Camera was also deployed to monitor the security of the runway and arriving planes, as well as to record the habits of penguins living there even in the dark, paving the way for deeper understanding of scientific research in the region.

"The most difficult part of the project was to obtain the specific cameras that can cope with the low temperatures and climatic conditions that the region suffers in order to offer an optimal result based on their needs," explained Engineer José Varas, BDM of Dahua Technology.



In fact, the continent's temperature is so extreme that technicians could only stay outside for only 90 seconds. "The main complexity for the installation was obviously the extreme climate of Antarctica during the winter," said Sebastián Mirich, President of Mirich Electronic Security, which was responsible for the installation. "However, the installation was a success and the cameras are working and withstanding the harsh and demanding Antarctic climate," he added.

"In addition to increasing connectivity and showing more closely the activities that are carried out there... it also seeks to provide greater security to the runway every time a plane arrives, something fundamental to continue exploring in this area," said Julia Anschütz, MarCom Manager of Dahua Technology.



This project has brought advanced security technologies to Antarctica, an unprecedented initiative in the world's fifth-largest continent. It greatly reflects Dahua's commitment to integrating digital intelligence technology into environmental protection and sustainability, as well as its unrelenting support for ecological research. The equipment and solution provided by Dahua not only assists field researchers and technicians in their daily work, but also creates awareness about the scientific research activities and life in the region, breaking distance boundaries and extreme climate challenges.

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### **About Dahua Technology**

*Dahua Technology is a world-leading video-centric smart IoT solution and service provider. Based on technological innovations, it offers end-to-end security solutions, systems, and services to create values for city operations, corporate management, and consumers. With more than 22,000 employees (over 50% engaged in R&D), Dahua has deployed its products, solutions, and services in 180 countries and regions, covering key industries including smart city, traffic management, retail, banking & finance, energy, etc. Since 2014, Dahua Technology has been estimated to be the world's second largest supplier of video surveillance equipment, and has been ranked 2<sup>nd</sup> on the a&s Security 50 list for 4 consecutive years.*

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