

Broadcasting with Axis cameras from tourism attraction Bâlea Lake.

Beauties of the landscape shared with tourists using 4K and full HD cameras, to simplify trip planning and introduce the area.



Organization:

IF Klingeis

Location:

Balea Lake, Romania

Industry segment:

Tourism

Application:

Safety and security,
broadcasting

Axis partners:

Brahms International,
NetRex s.r.o.

Mission

Bâlea Lake is one of Romania's most important heritage sites and it is a very important tourist location, with visitors often spending an extended period exploring weather conditions, traffic or finding images online before visiting this unique and attractive area. With regards to this knowledge, Mrs. Regina Klingeis, Associate, Cabana Bâlea Lac, IF Klingeis, was looking for an effective solution that would allow potential visitors to see live streaming images from the Bâlea Lake area.

Solution

The optimal solution was found in usage of two Axis network cameras, along with the CamStreamer software developed by NetRex. This application was installed in the Axis cameras using AXIS Camera Application Platform (ACAP). The live streaming generated by the AXIS P1428-E and AXIS P1365-E Network Cameras can be easily accessed from anywhere, any time and by anyone with an Internet connection.

By using the live streaming capability, the integrator eliminated the need for a central DVR, NVR, PC or server. The decision to use Axis cameras was made based on the quality of the images and the reliability of the products in the severe weather conditions of the Romanian mountains.

Result

Thanks to this surveillance solution installation, Bâlea Lake area is now closer than ever to all those that love this place and to all tourists who plan to visit it. Tourists can follow live images from Bâlea Lake natural reservation and plan their trip, based on the local situation and weather. The live streams are online, can be accessed remotely in just a few seconds and are active 24/7 via YouTube. Axis IP cameras deliver excellent images, in both 4K and full HD resolution.

“Bâlea Lake is one of the most beautiful regions in Europe and we hope to become a real attraction for our country. We needed a technological solution useful to broadcast live images from Bâlea. These help tourists discover this beautiful landscape. The integrated solution with Axis and NetRex implemented by Brahms International found answers to all of our requests and is helping us to achieve our aims.”

Mrs. Regina Klingeis - Associate, Cabana Bâlea Lake, IF Klingeis.

A work of art, designed by nature itself

The glacial Bâlea Lake is situated in the heart of the Făgăraș Mountains, part of the reservation with the same name. The lake has an area of 11.36 acres and is situated at an altitude of 2,034 meters. The beauty of the location as well as its charm has contributed to the building of one of the most beautiful cottages in the Carpathian Mountains, Bâlea Lake. In 2006 the first Ice Hotel in Romania was built in the same area, one of the first in the Eastern Europe. The glacial formations with moraine and terraces are the beauties of the reservation. The beauty of the landscape has a unique austerity, impressive all year round.

But all this comes with some challenges. For this implementation, certain factors were important, especially the special area conditions. Being at a high altitude, over 2000 meters, with low temperatures during the year, humidity, an oscillate atmospheric pressure and dominant wind, only certain cameras could operate. Therefore, the integration partner, Brahms International, decided to use two cameras for Bâlea project: AXIS P1428-E and AXIS P1365-E. During selection, the fact that network cameras would be installed in areas with a very changeable climate, including heavy clouds, was also taken into consideration.

It was important to find models that could provide an optimal performance, even in low ambient light. In order to overcome this challenge, AXIS P1365-E was chosen, which uses a technology called WDR – Forensic Capture. The technology optimizes video for forensic purposes by enabling an extremely high level of detail to be visible in both dark and bright areas of a scene.

Features that matter

Having cutting-edge sensors, 4K for AXIS P1428-E and 1080p for AXIS P1365-E, the cameras can monitor large areas. In this way, the solution was not only cost-effective, but also quick to implement. In addition, due to the technological superiority of the sensors, their special lenses and an integrated algorithm, two streams provide the best quality and images are clear and smooth.

Available from anywhere, any time

In regards to the purpose of the project, streaming capability was key. The software provided by NetRex, CamStreamer, an application that can be installed directly in the Axis cameras, allowed live broadcasting on YouTube. The solution did not require an encoder or a PC, being processed directly on the Axis camera hardware platform.

About Brahms International

Brahms International, with headquarters in Brasov, is an Axis partner. Brahms is involved in implementation of the project at Bâlea Lake. With over 20 years' experience and high quality standards on implementation, Brahms International offers complete IT services, modern solutions, completely integrated. The company implements high technology for all vertical industries in order to ensure customers' satisfaction.

AXIS P1428-E Network Camera (4K sensor)
streaming online:
www.youtube.com/watch?v=wSNIOpT82Dc

AXIS P1365-E Network Camera (FHD sensor)
streaming online:
www.youtube.com/watch?v=L5Tg_t7vJDs

