



## Dahua IP Camera Helps Monitor Weather in Mountain Refugio Collado Jermoso

**Location**  
Collado Jermoso, Spain

**Industry**  
Sports / Leisure

**Products**  
SD65F230F-HNI  
IP cameras



*“ Thanks to the technology of Dahua IP camera, the distribution of IPTECNO and the installation of WOLKAM, you can now appreciate the amazing landscape, get the latest weather information and warnings of bad weathers, sent from the peak, directly on social media. ”*

### ▶ BACKGROUND

At the peak of Mountain Refugio Collado Jermoso, the biggest challenge comes from the harsh weather conditions, which requires tough equipment to adapt to all extreme climates like

storm, low temperature, humidity, and etc. Streaming was also a big problem. For future observation and online video, a strong streaming engine for real-time images is needed.

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### ▶ SOLUTION

According to the analysis of this situation, the ultra-series speed dome SD65F230F-HNI of Dahua Technology would be a very good option, which can provide powerful optical zoom and accurate pan/tilt/zoom in order for the camera to catch every angle of view. Additionally, with the Starlight technology, This camera is the perfect solution for both ultra-low illumination environment and day light. The True WDR enables the camera to face sunlight or glare directly. Although all these technologies allow the camera to provide high quality images, the difficulty lies in its survival under extreme weather conditions. The Dahua camera is able to operate in environments with extreme temperature from -40°C to +70 °C (-40 °F to +158 °F) with 95% humidity. It also complies with the IK100 Vandal Resistance impact rating. Subjected to rigorous dust and water immersion tests as well as certified with the IP67 Ingress Protection rating, the camera is suitable for this project and other demanding outdoor applications.



### ▶ RESULT

The camera was tested in the beginning of 2018 and was used at Aemet Cantabria to gather information of avalanche risks in Picos de Europa. At that moment, the new equipment started with a huge 'Snowfall' that brought the first cold front of February and in a few days, has accumulated more than 3 meters of snow in the area. Nevertheless, the camera still worked well.

On June 18 of the same year, a series of Dahua IP cameras came into operation in Picos de Europa National Park and the Valdeón Valley. The cameras installed on Mountain Refugio Collado Jermoso are able to offer live video and audio on FB page or YouTube Channel and will surely become from now on one of the most popular "live window" of Picos de Europa, for its spectacular views, as well as the visual information it provides about the real-time condition of the upper area of Valdeon Valley.



The new angle of the camera, that now faces west and over Valdeón Valley, is able to observe all its magnitude and the spectacular limestone landscape that Picos de Europa offers, with the summit of Frierio (2,440m) in the foreground and La Canal de la Sotín below. One of the best pictures taken by Dahua webcam is a breathtaking sunset above the mountain, which can be seen only by mountaineers and more experienced walkers before. Indeed, Mountain Refugio Collado Jermoso has a reputation of having the best sunsets in the entire Picos de Europa National Park.

\* Design and specifications are subject to change without notice.

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## DAHUA TECHNOLOGY

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