

Case study

# Weather Widget for Papago Weather Station enriched our gallery of elements

## Mission

CamStreamer was tasked by a client to develop a **weather widget** for an AXIS camera that would display information such as **wind speed, wind direction, humidity, dew point, and temperature**. Weather information for the widget is sourced from **PAPAGO Meteo ETH, an industrial weather station** developed by [Papouch](#). The purpose of the widget is to give **real-time weather information to sailors and navigators as a graphic overlay on a PTZ camera**.

## Solution

[PAPAGO Meteo ETH](#) is connected to an [AXIS P5655-E PTZ dome network camera](#) via IP address. We developed an **micro app** for [CamScripter App](#) that processes **meteorological data collected by the weather station**. The information is displayed as a **live stream with a custom-made graphic overlay** created with the help of [CamOverlay App](#).

“What makes this project interesting is the fact that thanks to the CamScripter App and [CamOverlay App](#),” explained Filip Hanek, Product Manager for CamStreamer.

## List of Supplies

<b>Hardware:</b>	<a href="#">P5655-E PTZ</a>
	<a href="#">PAPAGO Meteo ETH</a>
	<a href="#">Anemometer for PAPAGO Meteo</a>
	<a href="#">TH3: Temperature and humidity sensor</a>
<b>Software:</b>	<a href="#">CamStreamer App</a>
	<a href="#">CamOverlay App</a>
	<a href="#">CamScripter App</a>



## Result

With this weather widget, we created a **way to process and display locally collected weather data in a live stream with minimal hardware and software requirements**: all you need is an AXIS camera, a Papouch weather station, CamScripter App, and CamOverlay App.

When asked about the benefits of using CamStreamer apps for this project the client responded with: **“We value the flexibility, licensing model, customization possibilities, CamStreamer team’s know-how, and user-friendliness.”**

## About PAPAGO Meteo ETH

Papago Meteo ETH is a **weather station** that can measure **temperature, humidity, dew point, carbon dioxide (CO2) concentration, wind speed, and wind direction**.

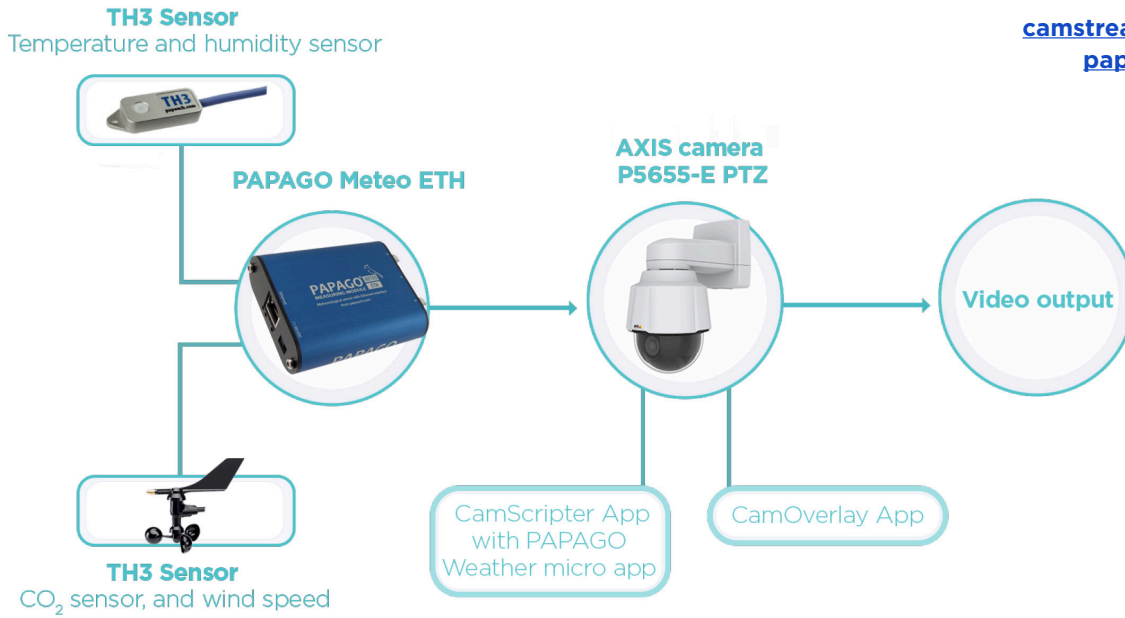
The weather station collects data based on what sensors are connected to PAPAGO Meteo ETH: temperature sensor, combined sensor (measures temperature, humidity, and dew point), CO2 sensor, and wind speed and direction sensor. **Current meteorological data** can be **extracted** from the weather station as an **XML file**.



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[camstreamer.com/resources/papago-weather-widget](https://camstreamer.com/resources/papago-weather-widget)



Corcelettes 12.10.2021 15:53

	Force du vent 4.4 Noeuds		Température de l'air 15.8°C
	Direction du vent ENE		Température du lac 15.4°C
	Force du vent 1h 4.9 Noeuds		Direction du vent 1h E

