

Case study

Niigata Utilizes CamOverlay App and PiP to Enhance Weather Camera Livestream

Mission

Finding a good, **cost-effective**, and **user-friendly** weather camera solution for the largest city on the west coast of Honshu, Japan, is no easy feat. When reaching out to CamStreamer's partner Comworks Co., Ltd., Niigata's city government asked for a solution that gives their citizens and visitors a perfect overview of the weather situation. Moreover, their ideal solution had to be easy to use and able to stream directly to YouTube without **any additional software such as a PC**.

Solution

The chosen solution was based on the [CamStreamer App](#) and [CamOverlay App](#) installed on an outdoor-ready [AXIS P1448-LE camera](#) with **4K resolution**. CamStreamer App runs fully inside the camera and allows for **24/7 livestreaming** in the camera's highest resolution with custom music **directly to YouTube**. CamOverlay App was added for its ability to insert **dynamic graphic overlays**, namely weather widget with current temperature, info ticker, and picture-in-picture. The **info ticker** was further modified by uploading a custom font for displaying Japanese characters correctly. **Picture-in-picture** adds views from two additional **AXIS P1445-LE cameras** to show a complete overview of the weather situation.

List of Supplies

Video quality:	4K
Audio:	MP3 local audio loop
Camera model:	AXIS P1448-LE camera
ACAP application:	CamStreamer App CamOverlay App
Streaming platform:	YouTube.com
Location:	Japan



Result

The resulting 24-hour livestream with calming piano music accurately **conveys the current weather situation** in Niigata City from three points of view and fully meets the client's requirements. "We are very satisfied. CamStreamer App and CamOverlay App met our expectations and the solution was implemented without any problems as the technical follow-up of Comworks is good," said the official statement of the Niigata City government as translated by **Christopher Aghedo from Comworks Co., Ltd.**

Extending the coverage with CamOverlay App

Adding **dynamic graphic overlays** is a great way to keep the audience engaged. [CamOverlay App](#) offers a wide array of elements and widgets appropriate for most streaming topics. Weather livestreams such as Niigata City's solution benefit from adding [a weather widget](#), which sources data from AccuWeather and is available in several styles. Another handy feature for effectively sharing information is [an info ticker](#), which can be customized with new fonts. Combining streams from two or more cameras can be done either through CamOverlay's **picture-in-picture** element or through [CamSwitcher App](#).

Read more on camstreamer.com/camoverlay-about

Case study

Niigata Utilizes CamOverlay App and PiP to Enhance Weather Camera Livestream

Stream Directly to YouTube with CamStreamer App

[CamStreamer App](#) is a smart application for livestreaming from an AXIS IP camera directly to personal websites or social media platforms without the need for additional software or a public IP address. After a quick and easy setup, CamStreamer App allows for **direct streaming to YouTube, Facebook Live, Vimeo, Dacast**, and others. Other features include automation, scheduled streaming, and adding custom music.

Read more on camstreamer.com/camstreamer-about

About Niigata City

Niigata City is the capital of Niigata Prefecture situated in the Chūbu region of Honshu and is only a two-hour

train ride away from Tokyo. Historically a port town, Niigata is now most known as Japan's biggest producer of flowers, mainly tulips. Modern and efficient city infrastructure includes an international airport and a harbor.

Read more on city.niigata.lg.jp

About Comworks

Founded in 1995, the Japanese company Comworks Co., Ltd. specializes in cloud services, networking, and surveillance systems.

Read more on comworks.co.jp

camstreamer.com/case-studies

