CAMSTREAMER

City

CASE STUDY

Live Prague camera

About the project

The aim of this project was to introduce the possibilities of the new ACAP CamOverlay app on an attractive picture of Hradčany in Prague and, thus, provide the viewers in an attractive way with information regarding Prague sights, in the form of embedded dynamic graphics, and also to show the birth of the new advertising media which does not require any expensive equipment for its functionality.

Technical solution

To solve this project, we have selected the AXIS Q6075-E PTZ IP camera which, due to its PTZ function, enables the scanned image to move on a precisely defined route and time and creates an attractive view of the Prague sights for the viewer. In addition, the high-resolution image, great picture even in poor lighting conditions and large zoom underline the beauty of Hradčany in Prague even more.

Displaying the information by embedding the graphics was achieved by the ACAP CamOverlay App which can add your own graphics to each camera PTZ position. With the "Carusel" function, more graphics at each PTZ position can be changed, with setting the time for each piece of displayed information. The app also enables to display the display up to four mutually independent graphics. The second piece of added information in this project is the weather forecast via the AccuWeather service. Animated GIFs are another great example how to make your stream more interactive via simple graphic input.

To create a stable stream on the YouTube Live platform, we used another ACAP CamStreamer App which, besides creating the quality image stream, also underlines the scene by an attached MP3 audio file.

Steps that were taken to create the stream with an Axis camera and the CamOverlay app

1. definition of view areas and PTZ positions in Axis SW available in the camera (in the PTZ section)
2. set-up and run of tour in Axis SW – sequence of PTZ views (in the PTZ section)
3. creation of transparent PNG pictures for each view in Photoshop
4. picture assignment and positioning for each PTZ view via the PTZ module in the CamOverlay App
5. upload of MP3 file to CamStreamer App application and run streaming to YouTube

Video quality	1080p / 25fps / 4Mbs
Audio	MP3 local audio loop
Camera model	AXIS Q6075-E PTZ
ACAP applications	CamStreamer App
	CamOverlay App
Used features	PTZ guard tour
Streaming platform	YouTube Live
Location	Czech republic

Conclusion

It is a project that has become an information source for visitors of historic Prague and provides the viewers with attractions and happenings events in an attractive way. Aditional GIF animations are perfect final touch to make this stream more interesting for public eye.

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