

“The integration project and the demo went very well. Our customer was satisfied with the picture, features, and performance of the system we provided.”

Istvan Bardach, Sales Manager at Pro Patria Electronics



## The ceaseless smuggling of people & contraband across Hungarian borders has been an ongoing problem for the country’s border police force.

### SCENARIO

At the edge of the European Union, Hungary is situated in a high traffic region, nestled right between Eastern and Western Europe. Illegal immigration, human trafficking, and smuggling across Hungary’s borders with Serbia and Ukraine funds criminal enterprises across Europe, Russia, and the Middle East. Hungarian law enforcement was searching for a reliable solution to target and catch smugglers.

They came to Pro Patria looking for a dynamic portable solution that could provide long range 24-hour surveillance. Pro Patria provided the radar and mobile command control elements of the solution, but needed a dual channel thermal and day camera system to pair with their radar sensors. After investigating a number of companies that specialize in OEM security solutions, Pro Patria came to Vumii®, with the hopes that our Accuracii family of cameras could meet their functionality and ease of integration requirements.

“With our radar systems detecting events for the Accuracii cameras to focus on, you take out the element of human fallibility.”

Istvan Bardach, Sales Manager at Pro Patria Electronics



Effective border protection systems scan wide areas and identify targets in real time, assessing the nature of the threat so that operators can make better use of their time.



Vumii thermal camera systems are successfully deployed in numerous border security projects worldwide.

Accuracii dual channel camera systems are configurable with several options. These include advanced cooled continuous zoom thermal cameras with market leading thermal auto-focus, as well as a choice of short, mid, or extreme long range day color camera options. Continuous zoom optics and high resolution imagers are ideal for tracking with threat detection performance of more than 20km.

Vumii, unlike other producers of high-end detection systems, has a long history of working closely with integrators to find workable customized solutions to difficult surveillance problems.

## SOLUTION

To answer the customer's request, Vumii worked with Pro Patria to develop a portable integrated radar and thermal camera system. The system can be monitored from a mobile unit with a built-in command & control center. After the Accuracii camera systems were shipped to the integration partner, Vumii assisted with a successful installation and implementation of the solution on site. This ensured that our partner could conduct a successful demonstration for their customer.

## SUCCESS

The Accuracii XR and XRU dual channel thermal and color day camera systems worked well for the radar integration demonstration. They have provided better monitoring of the border areas, 24/7 surveillance, and comprehensive security coverage. With this system, Hungarian border police could drive to any location along the border area and quickly set up the radar and Accuracii cameras on tripods, to sweep the entire surrounding area for criminal activity. When the radar detected an event, it directed the camera to investigate the coordinates that the alert originated from, allowing the police to use their time more productively, targeting their energy on real threats.

"Humans are fallible. By using another sensor that the camera needs to follow, system operators know exactly where to look. This system is more reliable because it combines the continuous radar with the abilities of an advanced thermal camera system." said Istvan Bardach, Sales Manager at Pro Patria Electronics.

Vumii continues to provide ongoing support for Pro Patria in efforts to further streamline the integration process, while exploring other possible applications for the system. They are currently marketing this solution to a number of other clients, as an answer to the universal need for a mobile, integrated radar and thermal camera solution that can easily and quickly identify potential security and criminal threats.



*"The clarity of the Accuracii XR cameras paired with our radar systems have afforded local law enforcement the ability to quickly scan the entire border area in record time, day or night and in bad weather, something that was very difficult to do before."*

*Istvan Bardach, Sales Manager at Pro Patria Electronics.*

