



EVENT LIVE STREAMING WITH HIKVISION

SUMMARY

The recent pandemic has touched everybody. However, the sports and entertainment sectors probably suffered the most. A lot of events could not happen at all. Others had to change their format and move to the online environment to preserve the safety of the participants and the audience. Some of the countries are easing up on the restrictions. However, there is still plenty of uncertainty around the future of the event industry.

CHALLENGE

Lithuania is famous not only for high-quality networking products but also for the love of basketball, so saying goodbye to sporting events was truly heart-breaking for us. Teltonika IoT Group has two competitive teams from Vilnius and Kaunas offices. Hence, we were looking for a way to keep the company tradition and have a match between them. First – we found the court – the largest sports arena in the Baltics. Then, we set a date and arranged all the logistics, but one essential part was missing. Our beloved fans could not join the event and watch the match because of the safety restrictions in place. Thankfully, we found a way to make this event happen by partnering with Hikvision and creating a live streaming solution in a joint effort.

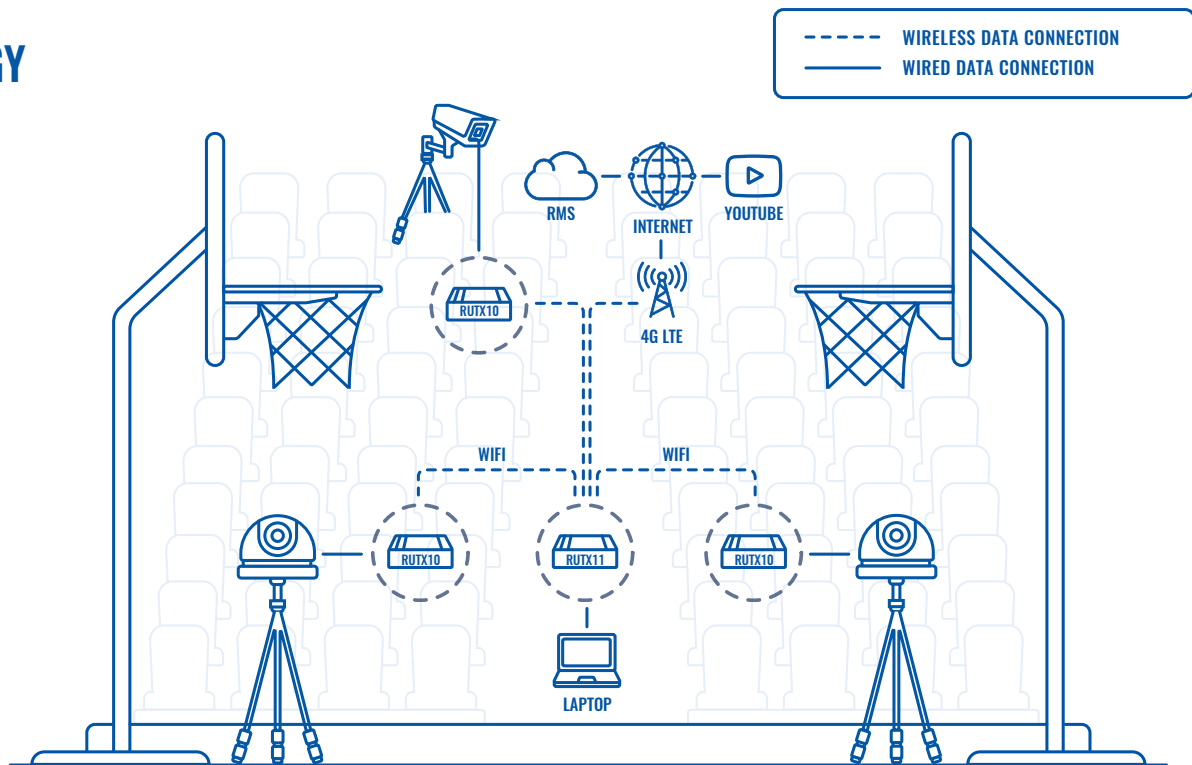
PARTNER - **HIKVISION**

Hikvision is a world-leading IoT solution provider with video as its core competency. Hikvision advances the core technologies of audio and video encoding, video image processing, and related data storage, as well as forward-looking technologies such as artificial intelligence, cloud computing, and big data. Over the past several years, Hikvision deepened its knowledge and experience in meeting customer needs in various vertical markets, including public security, transportation, retail, education, healthcare, financial institutions, intelligent buildings, and others.

SOLUTION

There is a variety of platforms, tools, and equipment to choose from when it comes to streaming an event online. However, they vary by price, quality of the broadcast, and difficulty of the setting-up process. For this live streaming solution, we partnered with Hikvision, who generously provided three high-quality IP security cameras to film from different angles.

TOPOLOGY



We used RUTX10 wireless routers to connect them into one wireless network and sent all streams into a laptop. We used the RUTX11 LTE Cat 6 router for broadcasting directly to Youtube. The upload was fast and seamless, reaching speeds up to 50 Mbps.

While we understand that IP cameras might not be ideal for professional sports events, but they work perfectly in an amateur setting. Professional filming equipment is not just costly but also requires special training to be exploited efficiently. It took only one person and a laptop to manage this broadcast, and the results turned out to be great! The solution was quick and easy to deploy, so it could help a lot of other sports and cultural initiatives to survive the pandemic and keep their audiences entertained.

BENEFITS

- Easy to deploy – the setting-up process is quick and uncomplicated, can be adapted to various situations indoors and outdoors.
- Speedy upload - RUTX11 LTE Cat 6 router managed to reach upload speed as high as 50Mbps.
- Easy management – the whole solution can be managed by one person without special training, unlike when using professional streaming equipment.
- Reliable - RUTX series routers come with Dual Band Wi-Fi 5 802.11ac, which is very suitable for high data transmission and robust wireless performance.

WHY TELTONIKA NETWORKS?

We create products with an ethos: reliable, secure, and easy to use. All these qualities are crucial when it comes to amateur settings. Our routers are pre-configured to be safe from the very start of use, and easy deployment saves a lot of time when getting ready for an event. There is no need to explain why connection reliability is of the essence for live streaming to online platforms, and our RUTX11 router accomplished this task without any hiccups. The quality of the broadcast turned out to be great!

