

Case study

Basketball Team Nymburk Revolutionizes Game Livestreams Using **Sport Tracker** and **CamSwitcher App**

Mission

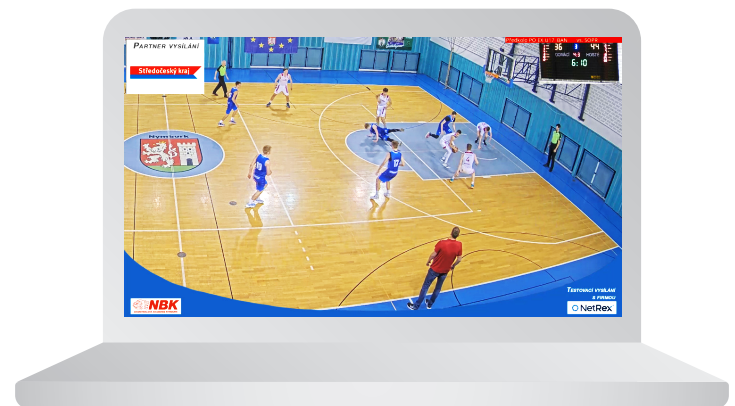
As a modern and social media active sports club, BA Nymburk is no stranger to livestreaming, but their existing streaming solution was proving itself to be inadequate. While the requirements for damage-resistant hardware, **privacy protection**, and bandwidth-saving measures were important, BA Nymburk's main point of interest was the **automatization of streaming** which would make the livestreams easier to manage and more enjoyable for the viewers.

Solution

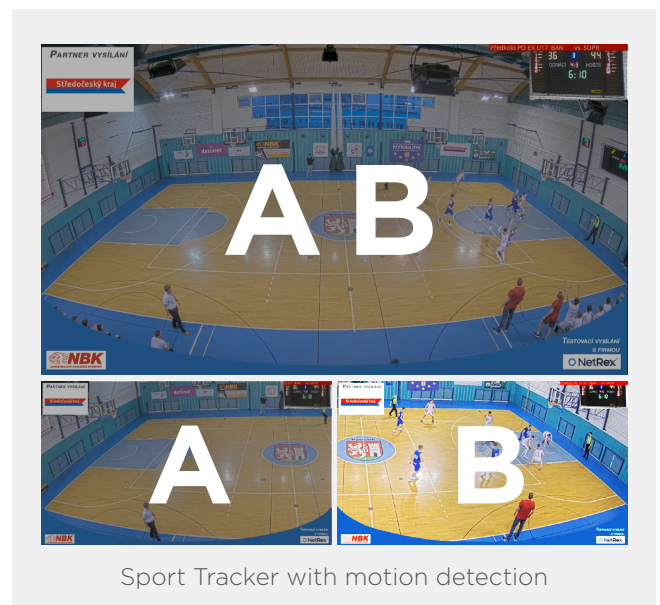
The first step was selecting a camera that can handle the job and fit the environment. BA Nymburk opted for **AXIS P1378 with 4K resolution**, encased in a cage to protect it from a stray ball. A remote button turning off the camera while not streaming was implemented to protect privacy and **save on the data bandwidth resources**. [CamStreamer App](#) and [CamSwitcher App](#) were installed on the camera to get the desired effect. While CamStreamer App is used to **stream directly to TVCOM.cz**, the CamSwitcher App is the star of the show: with **Sport Tracker motion tracking** set up, the app switches camera view areas based on the movement of the game, all while using the in-camera microphone, making the streaming **fully automatized**. BA Nymburk's other camera, AXIS P1344, is now used as a secondary camera and **embeds live score** as a picture in picture using [CamOverlay App](#).

List of Supplies

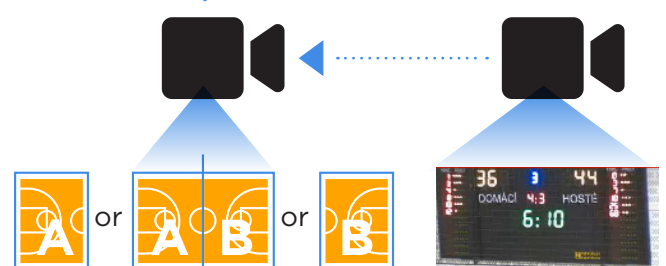
Video quality:	Full HD
Audio:	built-in microphone
Camera model:	AXIS P1378
ACAP application:	CamStreamer App
	CamOverlay App
	CamSwitcher App
Streaming platform:	TVCOM.cz
Location:	Czech Republic



↑ [CamStreamer App](#)



↑ [CamSwitcher App](#) + [CamOverlay App](#)



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Result

After some initial tuning of motion tracking zones to exclude coaches entering the court from being considered a game movement, **Sport Tracker** proved itself just the solution for BA Nymburk's requirements. AXIS P1378 now **switches between three view areas**, with the main being overview of the whole court and the two others focus on each side of the court, making the **overall quality Full HD**. Game streams now run **without the need for any manual intervention** and are broadcasted live directly to sports server TVCOM.cz.

"The new solution is much more comfortable and interesting for our viewers," said **Tomáš Laš, Web and Photo Executive from BA Nymburk**. "We also appreciate improved options for promoting our partners and sponsors." But BA Nymburk's own branding also got a boost: a **looping team logo** is added to all three view areas in the same position for **consistent branding**.

Automatized Streams with CamSwitcher App

[CamSwitcher App](#) is an in-camera app that enables you to **mix multiple video sources** and video clips stored on an SD card. The app works great with both a single- and multiple-camera setup with **up to 5 cameras**. Apart from manual switching, CamSwitcher App allows for a great deal of **automatization**. While creating a playlist works for almost all streaming situations, using **Sport Tracker motion detection** to switch streams is designed mainly for **sports streams**, specifically for **basketball** or any other sport that has its players mostly in one spot. Sport Tracker can be utilized either for a 4K camera with three view areas set up or three separate cameras with CamSwitcher installed on the main one. CamSwitcher's ability to use just **one audio track for the whole stream** no matter the source or which camera/view area is currently streaming ties it all into an easy and fully enjoyable livestream.

Watch the set-up on [CamStreamer Talks \(YouTube\)](#)



Always Up-to-date Information with CamOverlay App

Using **info tickers** or other **infographics** is a great way to keep your livestream audience informed. [CamOverlay App](#) offers a quick and easy way to do just that no matter the nature of the information. During sports streams, the most critical info is usually the score. Live view can be achieved either by embedding a PiP (picture in picture) element as seen in BA Nymburk's stream or by **custom graphics**.

Read more on camstreamer.com/custom-graphics

Stream Directly to Internet TV with CamStreamer App

[CamStreamer App](#) is well known for its **effortless facilitation of streaming** directly to personal websites or international social platforms such as YouTube, Facebook, Vimeo, and others, but perhaps the biggest advantage of the app is its ability to play together with **most video platforms available**. Therefore BA Nymburk's choice of TVCOM.cz, a unique Czech web TV specializing in sports livestreams, did not pose a challenge.

Read more on camstreamer.com/streaming-platforms

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AXIS camera [AXIS P1378](#)

- 4K resolution
- 119° horizontal field of view
- Lightfinder and Forensic WDR
- Electronic image stabilization
- Built-in microphone



About BA Nymburk

Czech National Basketball League champion BA Nymburk originated through the Sokol movement in the first half of the 20th century. Fifteen gold medals from Czech Cup and seventeen consecutive wins in the national championship demonstrate not only a long and fruitful history but a bright future as well. Read more on nymburk.basketball



camstreamer.com/resources/basketball-nymburk-sport-tracker

