



DUAL 5G ROUTER FOR FLAWLESS LIVE STREAMING

HIGHLIGHTS

- ✔ Ensuring uninterrupted, high-speed Internet is essential for seamless live broadcasts that engage viewers in real-time.
- ✔ RUTM52 dual 5G router delivers low-latency, high-speed connectivity with load balancing, ideal for the high demands of live streaming.
- ✔ Instant failover via dual SIM and eSIM ensures continuous streaming, while Wi-Fi 5 and Gigabit Ethernet ports enable a flexible and robust setup.

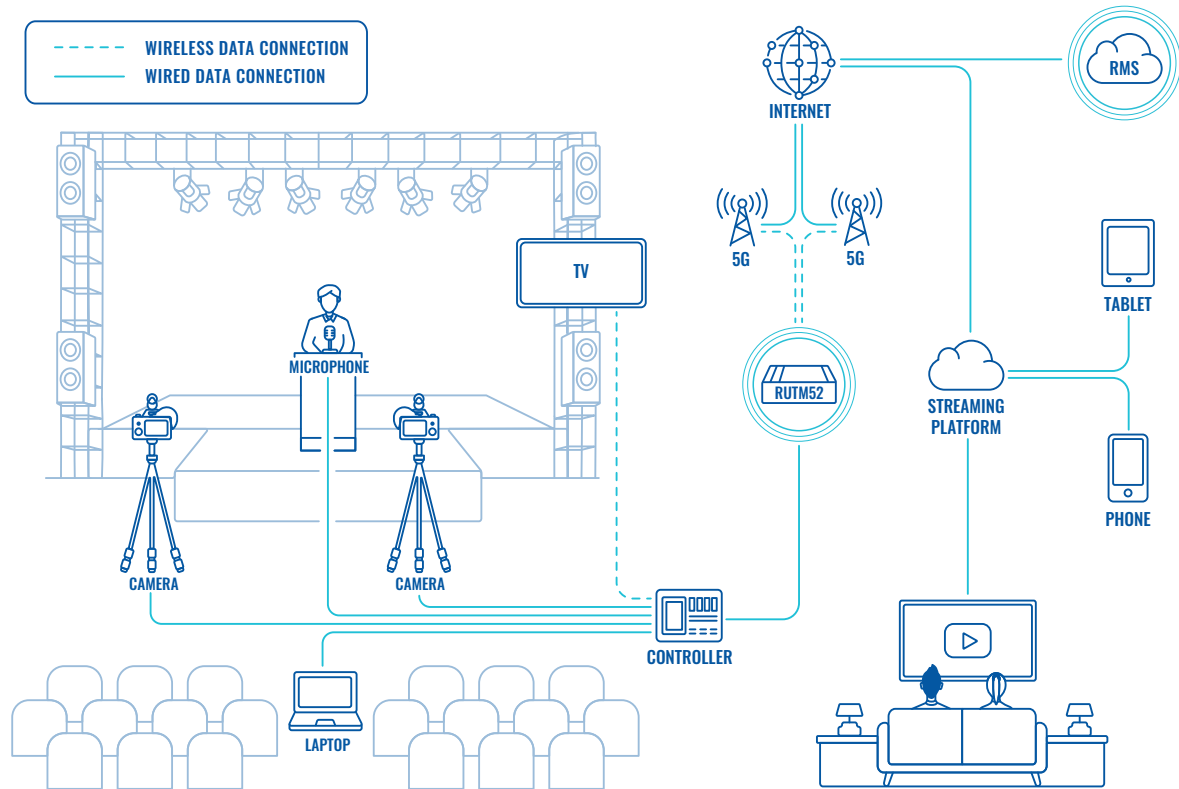
THE CHALLENGE – MEETING THE DEMANDS OF MODERN LIVE STREAMING

Live event streaming has become a pivotal component in the digital landscape, significantly impacting multiple sectors, including entertainment, education, and corporate communications. The global live streaming market was [valued at approximately USD 87.55 billion in 2023](#) and is projected to grow at a compound annual growth rate (CAGR) of 23.0% from 2024 to 2030.

This surge is driven by the increasing demand for real-time content and the rapid increase of internet-enabled devices. However, delivering high-quality live streams presents challenges, particularly concerning network stability and bandwidth management.

Traditional network infrastructures often struggle to handle the high data rates required for seamless live streaming, leading to issues such as buffering and latency. These disruptions can result in viewer dissatisfaction and reduced engagement, underscoring the need for robust connectivity solutions in live event streaming.

TOPOLOGY



THE SOLUTION – EMPOWERING LIVE BROADCASTS WITH DUAL 5G RELIABILITY

The RUTM52 dual 5G router acts as the connectivity backbone for the entire live-streaming setup. It provides high-speed, low latency Internet to a controller, which links multiple devices, including cameras, microphones, and a laptop. With the RUTM52 5G router at the centre, the setup achieves seamless data flow, transmitting the live stream to a platform where it's accessible to viewers on smartphones, tablets, and smart TVs.

The dual 5G modems are the core of the RUTM52's functionality, ensuring uninterrupted connectivity by linking to two networks simultaneously. Whenever one connection drops, the other 5G modem picks it up with another network provider to keep things running. With the low latency inherent to 5G technology, this feature enables high-speed, real-time data transmission crucial for live streaming, where even brief delays can disrupt viewer engagement. Complementing this is load balancing, which distributes data across all connections to optimise bandwidth and keep the stream stable during peak demand.

Further enhancing reliability, the RUTM52 5G router features dual SIM and eSIM capabilities. Users can choose between a physical [SIM and an eSIM](#), with each eSIM supporting up to seven profiles. This flexibility enables instant switchover among multiple networks, offering a robust selection of fallback options to maintain continuous streaming. These advanced capabilities make the RUTM52 dual 5G router an indispensable solution for ensuring uninterrupted, high-stakes live broadcasts.

As a multi WAN router, RUTM52 offers yet another layer of connectivity support by enabling a seamless transition between multiple Internet sources, providing extra redundancy. With high-speed Wi-Fi 5 and Gigabit Ethernet ports, the RUTM52 5G router allows for flexible and rapid local connections, supporting an efficient and versatile setup for streaming equipment.

In essence, the RUTM52 delivers a robust, flexible, and reliable solution for professional-grade live event streaming, empowering broadcasters to focus on their content without worrying about network issues.

