TV Skyline

How Haivision Enabled a Flexible, Ultra-Low Latency Outdoor Broadcast Workflow over Private 5G

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About TV Skyline

SKYLINE TELEVISION
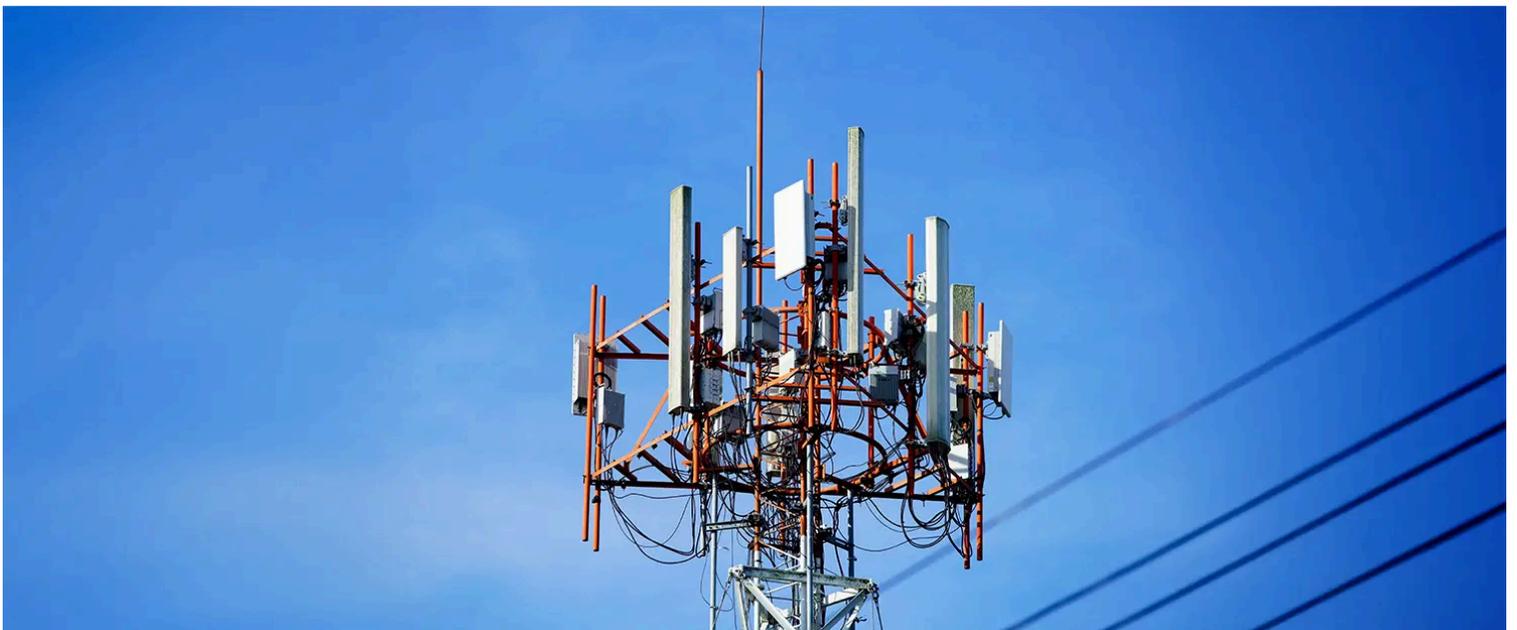
(https://tv-skyline.de/en/)

TV Skyline (https://tv-skyline.de/en/), a leading German broadcast service provider, specializes in high-end live production. Known for its technical expertise, the company continues to explore innovative approaches to live content delivery. With years of experience in large-scale productions and outdoor broadcasts, the company is always exploring new technologies that can enhance efficiency and elevate viewer experiences.

"With Haivision, we were able to prove that private 5G is not just a concept but a production-ready reality. Haivision 5G mobile video transmitters and receivers gave us the ultra-low latency and reliability we need, while making our outside broadcast productions far more flexible and efficient."

— Laurent Schiltz, CTO, TV Skyline

The Challenge

RF and COFDM systems have long been the wireless camera transmission standards for live sports and news production, especially for outside broadcast (OB) workflows.

However, as productions have grown in complexity, with more devices demanding higher bandwidth (https://www.haivision.com/glossary/bandwidth/), TV Skyline began exploring private 5G networks as a new foundation for a wireless video contribution (https://www.haivision.com/glossary/video-contribution/) workflow that can apply to many different types of live events.

The challenge was how to adopt 5G transmitters (/products/mobile-video-transmitter-solutions/) for live video contribution (/products/live-video-contribution/) over a private network while matching or exceeding the ultra-low latency typically achieved with traditional RF systems. This new robust and scalable private 5G contribution workflow had to seamlessly integrate with existing broadcast production equipment while enabling faster setup and teardown by reducing the number of base stations, antennas, and receivers needed.

The Solution

In choosing a live contribution solution, TV Skyline turned to Haivision and its proven expertise in delivering ultra-low latency (/blog/all/what-is-low-latency/) video over private 5G networks.

Together, the teams developed a live contribution workflow featuring:

- Haivision 5G mobile video transmitters and receivers (/products/mobile-video-transmitter-solutions/) delivering high-quality, low-latency video over 5G networks

- Haivision StreamHub receiver and decoder (/products/streamhub-receiver-decoder/) with SDI outputs

- Private 5G network infrastructure (/blog/all/live-sports-production-with-5g/)

The new workflow was designed to ensure ultra-low latency, broadcast-quality 4K UHD and HD streaming over a private 5G network.

The Result

By adopting Haivision's live video contribution solutions (/products/live-video-contribution/) for private 5G networks, TV Skyline achieved a more flexible and efficient outside broadcast (/industries/broadcast-solutions/) workflow. The private 5G solution simplified deployment, reduced setup and teardown times

when compared to an RF system. Using private 5G also provided the bandwidth needed with Haivision's 5G video transmitters and receivers (/products/mobile-video-transmitter-solutions/) delivering wireless transmission with uncompromised quality and latency.

The transition from RF to private 5G positions TV Skyline for the future of live production, with more scalable and reliable wireless workflows that are easier to manage and faster to deploy. Powered by Haivision's innovative technology (/products/) and proven expertise, TV Skyline continues to redefine what's possible in outdoor production, delivering exceptional live coverage for leading broadcast customers.

Products Used

(https://www.haivision.com/products/streamhub-receiver-decoder/)

Haivision StreamHub (https://www.haivision.com/products/streamhub-receiver-decoder/) ❯

Receiver/Gateway

Mobile and IP stream receiver, decoder, and distribution platform supporting SDI, NDI, ST 2110, SRT, and SST.

(https://www.haivision.com/products/haivision-pro460-transmitter/)

Haivision Pro460 (https://www.haivision.com/products/haivision-pro460-transmitter/) ❯

Video Transmitter

Versatile 5G mobile video transmitter (https://www.haivision.com/glossary/mobile-video-transmitter/) for synchronized multi-camera remote production of live sports and major events.

Related Solution

(https://www.haivision.com/products/live-video-contribution/)

(https://www.haivision.com/products/live-video-contribution/)

Live Video Contribution (https://www.haivision.com/products/live-video-contribution/) ⟩

Our secure & reliable live video solutions offer pristine-quality broadcast contribution over any network, even internet, satellite, 4G, & 5G.

Ready to Learn More? Contact Us to Get Started

Contact Us Today
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Related Case Studies

(https://www.haivision.com/case-studies/skyrace-matheysins/)

SkyRace® des Matheysins (https://www.haivision.com/case-studies/skyrace-matheysins/)

Case Study | 3 min read

Favoriz uses Haivision technology for agile live production in the French Alps for the 2025 SkyRace® des Matheysins.

(https://www.haivision.com/case-studies/switzerlands-national-league-hockey/)

Switzerland's National League Hockey (https://www.haivision.com/case-studies/switzerlands-national-league-hockey/)

Case Study | 4 min read

Explore how MySports brings Swiss hockey fans closer to the action with Haivision's remote production technology.

(https://www.haivision.com/case-studies/obsess-medias/)

Courchevel Ski Mountaineering Sprint (https://www.haivision.com/case-studies/obsess-medias/)

Case Study | 5 min read

Haivision and Obsess Medias delivered agile live coverage of the Courchevel Ski Mountaineering Sprint.

Solutions

Live Video Contribution (/products/live-video-contribution/)

Video Walls (/products/video-wall-solutions/)

ISR Video (/products/isr-video-solutions/)

IPTV Distribution (/products/iptv-solutions/)

SRT Streaming (/products/srt-secure-reliable-transport/)

Encoders and Decoders (/products/video-encoder-solutions/)

Transmitters (/products/mobile-video-transmitter-solutions/)

Industries

Broadcast (/industries/broadcast-solutions/)

Defense & Military (/industries/defense-military/)

Energy & Utilities (/industries/energy-utilities/)

Finance & Banking (/industries/finance-banking/)

Government (/industries/government/)

Public Safety (/industries/public-safety/)

Technology (/industries/technology/)

Products

Makito X4 (/products/makito-x4-video-encoder/)

Kraken (/products/kraken-video-transcoder/)

Haivision Media Platform (/products/haivision-media-platform/)

Video Wall Software (/products/command-360-video-wall-software/)

SRT Protocol (/products/srt-secure-reliable-transport/)

SST Protocol (/products/sst-protocol/)

View All > (/products/)

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HAIVISION

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