

Broadcast-Grade Live: Milesight Cameras Empower the FIS Ski World Cup 2021

Location: Bansko, Bulgaria

Milesight Partner RTS BG	Location Bansko, Bulgaria	Industry Segment Sports	Related Products • AI 36X/42X Speed Dome Network Camera
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Background

Held on the scenic Banderitsa track, the Audi FIS Ski World Cup 2021 attracted elite alpine skiers and global attention. To meet global broadcast standards and capture every thrilling moment in real-time, organizers required a cutting-edge video system that could adapt to harsh mountain weather and operate continuously.



Challenges

Fully Automated High-Speed Tracking

Cameras needed to follow skiers descending at up to 80 km/h — without manual control.

Broadcast-Quality Imaging

Incidents occurring in parking lots needed to be monitored and documented.

Lag-Free Global Transmission

Reliable real-time video needed to be delivered across international channels with no delay.

Harsh Outdoor Environment

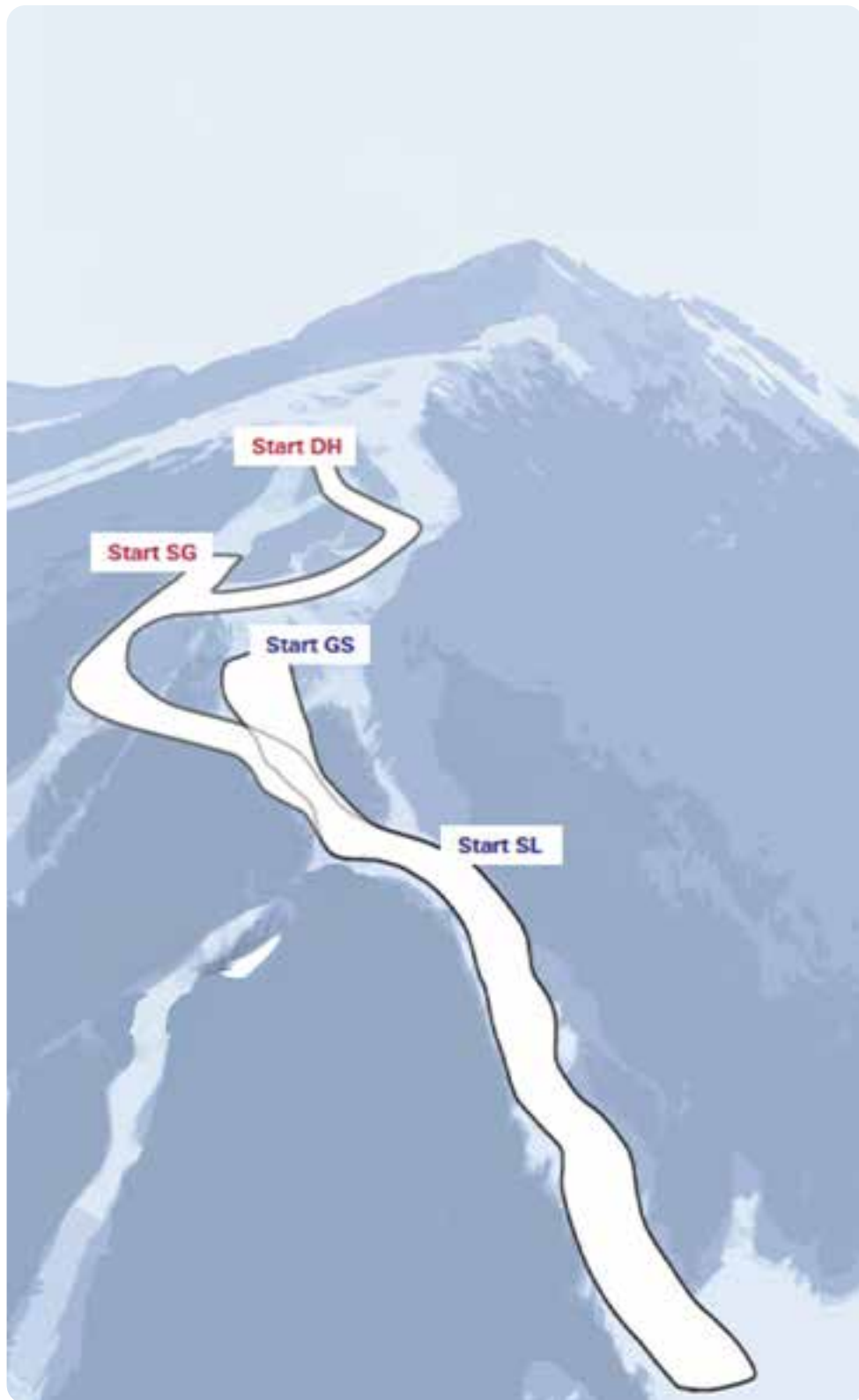
Snowfall, wind, and sub-zero temperatures required robust, weatherproof hardware.

Solution

7 x Milesight 36X AI Speed Dome Network Cameras were deployed strategically along the ski course to achieve full visual coverage — start, mid-slope, and finish.

- ✓ Smooth auto-tracking at up to 80 km/h
- ✓ Smart preset switching: start, mid-slope, finish
- ✓ 36X zoom for long-range clarity
- ✓ Starlight low-light + IP67/IK10 durability
- ✓ Seamless broadcast integration (RTSP/ONVIF, PoE+)

[Watch the Live Replay](#)



Milesight AI PTZ Cameras

AI Smart Auto-Tracking with Preset/Pattern Switching

Project Highlights at a Glance



World First:
First-ever application of **AI-powered surveillance cameras** in global sports broadcasting

Global Reach:
Broadcast to **124 million viewers** via **93 TV channels**

Crystal-Clear & Real-Time Streaming:
Smoothly captured high-speed action at **80 km/h** with **AI auto-tracking** and **36X zoom** — all with zero downtime.

Mountain-Proven Stability:
Withstood heavy snow, wind, and freezing temps with **100% performance** throughout the event

Audience Growth:
Achieved **35% higher engagement** compared to previous ski tournaments

Conclusion

The FIS Ski World Cup 2021 showcased not only the thrill of alpine sports but also the power of innovation behind the scenes. With AI-powered auto-tracking, broadcast-grade clarity, and reliable performance in extreme weather, Milesight cameras delivered a seamless live viewing experience to millions worldwide. This project marks a pioneering step in applying smart surveillance to global sports coverage — opening new possibilities for the future of immersive broadcasting.

Related Product



AI 36X/42X Speed Dome Network Camera