



NEWS RELEASE

Telestream 2110 IP Monitoring Helps Chinese State Broadcaster CCTV Launch Live 8K Ultra HD Channel

Telestream helps CCTV prepare 8K UHD as production format for Beijing Winter Olympics

Nevada City, California, February 10, 2021 — On February 1, 2021, China Central TV (CCTV), supported by China Mobile, China Telecom, China Unicom, and China Radio and Television broadcast its first live 8K Ultra-High-Definition (UHD) TV channel broadcast test signals over a 5G network from the Beijing National Grand Theater and Shanghai International. The test broadcast used Telestream's full 2110 IP solution including its Inspect 2110 IP monitoring system, PRISM waveform monitor and SPG8000A precision multiformat video signal generator, suitable for master synchronization and reference applications. The Telestream monitoring solution is used throughout the production and distribution workflows.

More than 30 UHD large screens and China's first consignment of 8K TVs broadcast the images in public places across nine cities, including Shanghai, Guangzhou, Shenzhen, Chengdu, Hangzhou, Jinan, Haikou, and Qingdao. CCTV reports that this was the world's first 8K UHD TV live broadcast across a 5G network. In addition, CCTV intends to broadcast the Chinese New Year's Eve celebrations using its 8K UHD TV channel, broadcast live as part of CCTV's Spring Festival Gala.

In 2022, CCTV will start broadcasting 8K UHD channels in the run-up to the Beijing Winter Olympics, and plans to implement 8K UHD as the standard production format for the Games, including full-time comprehensive 8K Telestream live monitoring from content production to editing and broadcasting.

Telestream's Inspect 2110 and Prism monitors help CCTV to monitor IP 2110 8K signals in real-time around the clock. Telestream provides CCTV with IP 2110 network health protection and automatic alarm functions and checks the consistency of the main and backup channels.

Compared with traditional SDI networks, CCTV's IP network is more versatile and simpler. However, some issues with an IP network of this scale exist: if 8K signals up to 33Gbps are transmitted across the IP network, there can be issues such as packet loss and disorder, separate video, audio; and whether all the auxiliary data is present. Also, there are questions of whether the main and backup signals are consistent, and

whether the PTP clock synchronization can be locked. All these issues need to be considered to ensure high-quality and high-volume broadcasts of 8K signals. The answer to all these issues for CCTV is Telestream video monitoring solution.

Telestream's Inspect 2110 probes monitor and record multiple RTP indicators in real-time - even the smallest amount of packet loss and disorder that cannot be detected by the naked eye, to provide early warning and record of IP network problems. Also, Telestream Inspect 2110 compares the main and backup signals, and can accurately identify any inconsistency in audio and video content and auxiliary data, alerting operational staff.

When CCTV's operational staff encounter a serious issue, they can go to Telestream Prism for in-depth diagnosis and analysis of the problem video stream. This greatly shortens the network troubleshooting time and ensures the healthy operation of CCTV's 8K broadcast system.

####

About Telestream

For over 20 years, Telestream® has been at the forefront of innovation in the digital video industry. The company develops products for media processing and workflow orchestration; live capture, streaming, production and video quality assurance; and video and audio test solutions that make it possible to reliably get video content to any audience regardless of how it is created, distributed or viewed. Telestream solutions are available on premises or in the cloud as well as in hybrid combinations. Telestream is privately held with corporate headquarters located in Nevada City, California and Westwood, Massachusetts.

For company and product information, visit www.telestream.net.

Trademarked company and product names are the property of their respective companies.

For more information, please contact:

North America

Doug Hansel or Veronique Froment
doug@highrezpr.com
Veronique@highrezpr.com
+1 603-537-9248

EMEA & APAC

Bob Charlton
bob@scribe-pr.com
+44 20 7084 6335

[Download Telestream press images and logos](#)

Telestream [RSS Feeds](#)