



Swedish floorball uses VideoXLink for its transmissions

Since 2018, Discovery Networks and Eurosport have given NEP Sweden the assignment to produce and broadcast the matches from the Swedish Innebandy Superligan, the premier floorball league in Sweden, and the Svenska Futsalligan, the Swedish Futsal League.

NEP produces between 1 to 3 games per week, covering an area between Umeå in the north of Sweden, to Höllviken in the southernmost part of Sweden. By designing a new outside broadcast unit, mainly based on IP for cameras and audio, the idea was to create an easy-to-use solution, demanding fewer operators for each transmission and by placing the graphics operator at the NEP Sweden Media hub in Stockholm instead of in the OB unit.

Short facts

Used equipment: 2 pcs VideoXLink X2
Client: NEP Sweden/Discovery Networks
Date: January 2019 - present

Increased quality without compromising stability

NEP Sweden used another product for transmission from the start of the project but got to try the VideoXLink product X2 at the beginning of 2019. Compared with the previous product, NEP Sweden could increase the quality of the broadcast by enabling 10-bit color space and 4:2:2, using almost the same bandwidth as the previous transmission equipment.

When starting the project, without VideoXLink, the one-way transmission delay between the OB unit and the NEP Sweden Media hub varied between 1,2 to 1,4 seconds, depending on the settings used. When arriving to Stockholm, the program feed from the OB unit would pass through a vision mixer, keying the graphics and then being sent to the Eurosport Network. As the signal also needed to be transmitted back

to the OB unit, using the same transmission equipment, an additional delay of 0,8 to 1,2 seconds was added, giving the director on-site the possibility to view the complete program feed, only after at least 2,5 seconds from when the last frame was transmitted from the OB unit.

When starting to use the VideoXLink, the broadcasts from the Superligan and Futsalligan dropped the transmission delays by at least 2 seconds, still enabling resending in case of packet drops and unstable Internet connections. Since the autumn of 2019, XLink has been the primary transmission unit between the arena and the NEP Media hub. By embedding the intercom and sending a secondary NDI feed from the arena showing the match clock, it has become a stable and reliable transmission method.

VideoXLink Europe develops video equipment, revolutionizing the way television is being produced. Our products work over Internet as well as closed networks, all with ultra-low latency. We see it as the future of broadcasting.



VIDEOXLINK