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Humberside Police use 4G bonding to improve connectivity between force and central command for real-time decisions with HD video

“ Our dynamic deployments are more successful now, and we go out confident that the technology will deliver.

GARY WOOLSTON, TECHNICAL SUPPORT MANAGER, HUMBERSIDE POLICE

Established in 1974 and located in North East England, Humberside Police serves the people of Northern Lincolnshire, Hull, and the East Riding of Yorkshire. Humberside Police has over 4,000 employees across 18 police stations and covers an area of more than 3,500 square kilometres spread over a diverse terrain.

problem

Humberside Police needed a technology solution to transmit HD video reliably from any location to the command center for real-time decisions in operations situation monitoring. Single-SIM routers had proven to be unreliable due to limitations in cellular coverage, bandwidth, and signal strength. Also, line of sight was not always available to enable satellite connections. These limitations were showstoppers for Humberside. While the police team may not know in advance where they'll be deployed, they do need to be sure they'll have reliable high-bandwidth connectivity wherever they are called.

solution

In 2015, Gary Woolston, Technical Support Manager at Humberside, learned of Viprinet® bonding technology

from Wired Broadcast at the Security and Policing tradeshow. Soon after, Humberside purchased two Viprinet 510 routers and a Viprinet 1020 hub, using SIMs from Vodafone, EE, O2, and Three. “We had tested numerous service providers, but they all had issues around coverage. No other company besides Wired Broadcast had the technical solution to the problem,” said Mr. Woolston. He added that Wired Broadcast's impressive list of broadcast clients served as a strong reference.

benefits

Cellular carrier coverage, bandwidth, and signal strength are no longer an issue for Humberside Police. Bonding multiple 4G connections when moving or stationary, plus satellite if line of sight is available when stationary, police teams are always connected to the command centre. “Our dynamic deployments are more successful now, and we go out confident that the technology will deliver,” said Mr. Woolston.