DVB-S2X Product Suite

The Next Generation of Technology Innovation

The DVB-S2X standard is designed to unlock the power of High Throughput Satellites (HTS) so service providers can dramatically increase network performance, efficiency and scale – and lower their operating costs.

To gain the greatest advantage from DVB-S2X, however, you need ground infrastructure that supports the full scope of the standard. With our next-generation DVB-S2X product suite, iDirect is delivering just that – everything from best-in-class remote performance, to a new cost model, to scale infrastructure to support for coming industry advances like intelligent payloads.

The product lineup features powerful Universal Line Cards, a next-generation S2/S2X remote series, and higher hub density and processing capabilities.

Universal Line Cards
Your bridge between S2 and S2X

The transition to our next-generation technology starts with the Universal Line Card, which can run in DVB-S2 or DVB-S2X mode, in Evolution or Velocity networks, and operates in our existing Universal Hub chassis.

The ULC-T (transmit line card) supports up to 45 Msps with 32APSK in DVB-S2 mode, and up to 119 Msps in DVB-S2X mode with MODCODs up to 256APSK to achieve greater throughput on the same amount of bandwidth.

ULC-T

The ULC-R (multi-channel return line card) supports the highest Adaptive TDMA rate to date with up to 29 Msps of aggregate throughput and 16QAM modulation for higher performance and efficiency.

ULC-R

iDirect Intelligent Gateway

A smarter way to grow

Featuring up to four powerful blades in a fully redundant configuration, the Intelligent Gateway supports dozens of protocol processors (PPs), while future proofing the gateway infrastructure for large-scale growth of your networks.

The greatly improved density results in a massive footprint reduction, decreasing cooling and IT management expenses, while vastly improving performance.

Intelligent Gateway

Intelligent Gateway Configuration

- Multi-threaded protocol processors through virtual machines
- Frame encapsulation boosting enables high-rate processing
- Each blade/server can virtualize multiple PPs

iQ Router Series

A higher level of networking intelligence

The iQ Series is iDirect's next-generation DVB-S2/DVB-S2X remote portfolio that features a programmable ASIC chipset, customized to exploit the full capabilities of the DVB-S2X standard and optimized for iDirect's highest performing Adaptive TDMA waveform.

The iQ Series brings unprecedented performance in a future-proof software upgradeable design. This drives a massive expansion of applications and service level standards, meeting any end-user need in the foreseeable future, while extending the deployment life of the remote.

iQ Desktop

A New Model for Your Success

Our DVB-S2X product suite introduces a new model for performance and efficiency so you can effortlessly meet demanding service levels and build out massive networks with greater speed and reduced costs.

To learn more, please visit IntelligentPathForward.com