



Digital Ground
Use Case

BROADCAST

Moving Data Instead of Assets

The DIFI Standard is creating true interoperability among vendor equipment for digital IF ground segment. Freeing customers from vendor lock-in, it enables the transport of satcom traffic anywhere an IP network connection can go. That brings a new level of adaptability to satellite communications.

The Broadcast Industry Adapts to Changing Market Demand

The explosive growth of streaming media and online news delivery is driving fundamental change in the broadcast television business. Operations are centralizing and consolidating to reduce costs, eliminate redundant operations and better enable IP delivery. But the changes come with high short-term costs and operational risks to networks that need to be online 24x7x365.

The Digital Solution

When broadcasters need to close and consolidate studios and broadcast centers, it can mean disassembling big satellite antennas and their associated electronics and moving them to new sites. But with interoperable digital IF, antennas can be left in place and equipped with digitizers to convert inbound and outbound signals into IP data streams. Industry-standard routers can direct the traffic between remote antennas and central studios or NOCs regardless of the distances involved. The short-term savings can mount into the millions. Longer-term, digitization creates the opportunity to virtualize signal processing formerly performed in hardware into software running on generic compute for greater flexibility, resilience and cost-efficiency.



Photo by [Norbert Braun](#) on [Unsplash](#)