



MULTI-BAND, MULTI-BEAM, MULTI-ORBIT.

Software-Defined Digital Beam Forming Antenna System for hybrid SATCOM Communications.

Cubic's Resilient Digital Beam Former (RDBF) flat panel Active Electronic Scanned Array (AESA) maximizes flexible BLOS connectivity between military platforms and commercial and military satellites. It enables multiple simultaneous links across space constellations. With its Ultra-Low-Size, Weight and Power (SWaP), the RDBF solves a critical communications challenge for warfighters at the edge.

- » Multi-Band – Receive in 10.7-21.2 GHz and transmit in 13.75-15.35 and 27.5-31 GHz
- » Multi-Beam – Supports many high data rate links, providing optimal functionality for redundant network paths
- » Multi-Orbit – Connects simultaneously to pLEO, LEO, MEO and GEO constellations
- » Scalability – Low-NRE to scale panel, size and shape for a variety of ground, air and maritime platforms
- » Modular via Open Standards – Compliant building blocks for various platforms and different link range performances and data rate needs
- » Advanced Capabilities – Digital beam forming enables link resiliency and multi-function capability

The proven technology of the Resilient Digital Beam Former will be ready for future integration into a variety of air, ground and surface platforms.