The RF-3081-AT001 crossed Yagi satellite antenna provides full-duplex MUOS and legacy UHF SATCOM connectivity. Designed for both rapid deployment and high-gain radiation patterns, the antenna is foldable and fits into a lightweight, small-volume carry bag. The antenna achieves a circularly polarized radiating field through an internal hybrid matching network which feeds two flat dipole elements. Its reflector has eight radial arms that cast back the energy from the driven elements. The design of the four-element director sets simplifies set-up, increases reliability and focuses the beam into a narrow radiation pattern for increased gain. The RF-3081-AT001 includes a feed system and reflector, two sets of directors, a tripod, two coaxial cable assemblies and a carry bag.
L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.