

OBSIMA UNMANNED SYSTEMS CONNECTIVITY PORTFOLIO



Tactical RF, datalink, and video solutions for onboard UXVs and ground stations.

Onboard UXV Solutions

Lightweight, low-latency, mission-ready solutions integrated directly into the unmanned platform.



Benelec Antennas:

Low-profile antenna solutions for onboard UxV connectivity, combining conformal airframe integration as well as external and platform-mounted options, stable horizon coverage, and rugged lightweight construction for MANET, telemetry, and video links.



ACE6 Technology:

Lightweight mMESH transceivers for airborne links, combining self-forming COFDM mesh networking, strong NLOS performance, secure operation with frequency hopping and AES-256 encryption, and reliable IP transport for video, data, and audio.



Silvus Technologies:

Compact MN-MIMO radio modules for onboard integration, combining Low-SWaP design, resilient high-throughput NLOS connectivity, and Spectrum Dominance features such as LPI/LPD, anti-jam resilience, and low RF signature operation in contested environments.



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Tactical RF, datalink, and video solutions for onboard UXVs and ground stations.

UxV Ground & Base Station

Tactical receivers, antenna systems, mast solutions, and real-time video tools for ground control stations.



Silvus Technologies:

High-power MIMO base stations for extended coverage, combining rugged radios, sectorized antenna arrays, integrated network management, and Spectrum Dominance features such as LPI/LPD, anti-jam resilience, and protected operation in contested environments.



Rolatube:

Ultra-light mast systems for rapid field deployment, combining compact rollable composite construction, fast setup and recovery, and rugged maintenance-free reliability for antennas, sensors, cameras, and RF payloads.



ACE6 Technology:

Rapid-deploy mMESH receivers for mobile ground stations, combining scalable COFDM mesh networking, flexible SATCOM or LTE backhaul, secure operation with frequency hopping and AES-256 encryption, and reliable last-mile IP connectivity for video, data, and audio.



Benelec Antennas:

Antenna solutions for fixed and deployable base stations, combining high-gain, directional, and omni-directional configurations with support for C2, MANET, EW, and UxV ground links across mounted and fixed-site deployments.

HAIVISION

Haivision:

Ultra-low-latency ISR video, control room, and video wall solutions for command environments, combining real-time H.264/H.265 decoding and transport, secure delivery, and common operating picture visualization for situational awareness and decision support.



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