SkyLink™ LC
Tracking Airborne Antenna

The SkyLink-LC is a competitively priced azimuth steered antenna system designed for standard definition digital and analog transmission for ALE, EMT and ENG applications. The SkyLink-LC is similar to the SkyLink-HD but smaller in size. Combined with the C100 controller, the SkyLink-LC provides a complete microwave downlink and control solution.

Antenna performance is much higher than other products in this size. Multiple antenna options are available including switched downlook and omni antennas.

The SkyLink-LC is the first system of its kind to support dual band configurations. Options are available for 1.7 GHz, 15 GHz, and others.

Installation is now easier than ever as well. The SkyLink-LC only requires that C100 control head to build a complete transmission system. With the C100, control of all microwave equipment including antennas, radios, and encoders is integrated into a single 5-inch panel-mounted controller. Full support for third party radios is provided, and no additional control heads are required.

Digital and analog internal radios are available as options thereby simplifying the installation and reducing overall system weight and complexity.

The SkyLink-LC supports a wide range of certified mounts for a variety of aircraft.

The SkyLink-LC is ideal for smaller aircraft and short to medium range applications where an uplink receiver is not required.

Digital Airborne Antenna System
Azimuth Steering
ALE, EMT, and ENG Applications
Multi-Band Capable
Wide Range of STC Mounts
Long-Range Operation
Available from L band to Ka band

SkyLink™ LC Transmit and Receive

Steerable, High-Gain Airborne Antenna

SKYLINK EQUIPMENT
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SkyLink-LC: SkyLink LC Antenna Pod
C100: SkyLink Control System

SKYLINK LC ANTENNA POD
Size: 14˝ W x 16˝ L x 8.5˝ H
Frontal Area: 146 square inches
Weight: 22 lbs (excluding mounting bracket)
Input Voltage: 18-32 VDC (supplied by C100 Controller)
Input Current: 0.5A nominal, 2.0 A max with external radios
Azimuth Steering: Continuous rotation, 100 degrees/second
Control: Full digital (RS-485) control interface utilizing AirTalk Protocol
Airborne Characteristics: VNE > 200 knots
Drag @ 120 knots = 62 lbs.

ANTENNA:
Type: Steerable High-Gain
Frequency Band: Two-Element Yagi
Beamwidth Az/El (-3dB): 4.9 GHz
Antenna Gain: 20˚/30˚ nominal
Polarization: 17 dBi Vertical

OPTIONS:
Multiband Configuration: Right-Hand Circular
Aircraft Mounting: Multi-band high-gain configurations available
Internal IMU: Specify aircraft model
Six-sensor inertial measurement unit. 0.1 degree resolution

SKYLINK LC SYSTEM CONFIGURATION (typical)

Visit us at our website for product and corporate information sessions. See video imagery of this system.

www.TROLLSYSTEMS.com
Specifications subject to change without notice.