OW70L

Eutelsat OneWeb
Dual Parabolic User Terminal (UT)

The OW70L is a land-based user terminal for Eutelsat OneWeb's Low Earth Orbit (LEO) satellite constellation. It consists of dual 3 axis stabilized pedestals with 73 cm parabolic antennas providing 12.2 dB/K G/T performance. By allowing seamless and undisrupted connectivity for LEO handovers, this user terminal gives customers in remote and challenging environments access to a cost effective and enhanced user experience otherwise inaccessible to them.

LOW LATENCY, FAST SPEED

Providing global coverage (including both poles) Eutelsat OneWeb's 648 satellite constellation will provide fibre-like high speed, low latency connectivity to remote customers where terrestrial fibre connections are not possible. The OW70L operates in Ku-Band for minimum rain fade and is able to deliver unmatchable high-throughput, low-latency connectivity.

LOW-TEMPERATURE PERFORMANCE

Using an elaborately designed heating device module, the OW70L ensures steady performance in extremely low temperatures, up to -40 degrees Celsius. Eutelsat OneWeb is the only LEO constellation committing to 100% coverage of Alaska and the OW70L will ensure people in the Arctic region will have access to affordable and reliable broadband services.

EASILY DEPLOYABLE SYSTEM

Designed with cost-effectiveness in mind, the OW70L is lightweight and designed for easy installation. With only a single cable needed to provide data and power between indoor and outdoor units, installation time is significantly reduced.

LEO SATELLITE SCAN AND TRACKING ALGORITHM

The Intellian OW70L provides seamless, undisrupted connectivity through a primary-secondary dual dome solution for consistent connection with LEO satellite handovers. The proven tracking performance can be achieved by precise technology which makes the secondary antenna track a rising satellite before the primary antenna loses a falling satellite.

SYSTEM DIMENSION

Primary Antenna Secondary Antenna

TECHNICAL SPECIFICATIONS

Primary Antenna

RADOME HEIGHT: 77.0 cm / 30.3"
RADOME DIAMETER: 84.5 cm / 33.3"
REFLECTOR DIAMETER: 73 cm / 28.7"
WEIGHT: 33.0 kg / 72.8 lbs
33.6 kg / 74.1 lbs
(Heating Module installed condition)

Secondary Antenna

RADOME HEIGHT: 77.0 cm / 30.3"
RADOME DIAMETER: 84.5 cm / 33.3"
REFLECTOR DIAMETER: 73 cm / 28.7"
WEIGHT: 32.0 kg / 70.5 lbs
32.5 kg / 71.7 lbs
(Heating Module installed condition)

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