

Optimus™

PRODUCT SPECIFICATIONS – CENTRAL RECEIVE

MECHANICAL

Radome dimensions: 36" high x 42" diameter at base

Weight: 128 lbs.

Pan: Continuous rotation

Tilt: -20° – +20°

Antenna dimensions: 31" x 19"

Exterior construction: Heavy-duty fiberglass radome

3/8" aircraft aluminum base

Stainless steel hardware

SENSORS

Pan: Optical encoder

Tilt: Potentiometer

ELECTRICAL

Pan/tilt power: 115VAC

Quiescent: 150 mA

Peak: 2.75 amps at initial pan + tilting

Normal Load: 1 amp

Heater: 115VAC, 2 amps

Polarization: horizontal, vertical, circular

Performance:

at 2 GHz: 19.0 dBi; V.S.W.R. 1.50 -1

at 7 GHz: 32.3 dBi; V.S.W.R. 1.30 -1

Interface: RS485

ENVIRONMENTAL

Operational temperature range: -20° – +50°C

Heater engages at 0°C, disengages at 7°C

Radome is sealed with closed-cell foam gasket

PAN/TILT HEAD INTERFACE

Solid state motor drivers

EXTERNAL COMPUTER INTERFACE

Controller (sold separately) offers network, RS232, Kenwood radio interfaces