

Series WTW-LSC-20 (IP66)



Dual Axis Tri-band Auto Tracking Antenna



WTW Anlagenbau GmbH is a premium manufacturer of tracking antennas employing the latest technology combined with ultimate performance for **UAS, Airplane, Helicopter, Missile and Rocket** applications on **Land** or

The WTW-LSC Tracking Antennas and Pedestals are developed in accordance with the latest scientific know-how to provide compactness, latest technology, low weight and high efficiency.

This is made possible by more than 40 years' experience in developing robust and long-lasting mechanics and excellent RF features.



KEY FEATURES

Dimension	(Park Position El. 0°): appr. 27.5" x 11" x 26" (WxDxH)
Weight:	appr. 30 kg
Mode	Manual-, Program-, GPS-, Autotracking
Torque:	Az. and El. up to 50 Nm
Backlash:	< 2arcmin
Velocity:	Az. and El. up to 60°/sec
Acceleration:	Az. and El. up to 100°/sec ²
Travel:	Az. unlimited (Slipring), El. -5° to 90°
operational:	up to 65mph Wind speed
stowed:	up to 100mph Wind speed
Bands:	Lower L-Band: 1435-1540 MHz Upper L-Band: 1710-1850 MHz S-Band: 2185-2485 MHz C-Band: 4400-5250 MHz
Gain:	appr. 15 dBi @ 1850 MHz appr. 19 dBi @ 2350 MHz appr. 20 dBi @ 5150 MHz
Polarization:	LHCP and RHCP (Dual Polarization)
Protection:	IP66
Temperature:	-20 to +45°C (extended range on request)
Camera:	Full-HD 30x optical zoom + digital zoom
Add-on:	GPS Tracking Module RS-232/422/485 to Ethernet (NMEA0183)
Filter:	WTW-Filter, Band selectable through GUI

Included

Ant. Control:	Web-based GUI (display) with animated antenna display controllable through Ethernet, up to 4 users
Transportbox:	Zarges Aluminum Case, 80x60x80cm
Cables:	16' cable set, 1x Power, 2x RF, 1x Ethernet, 1x AM, 1x AGC
Test TX:	23.5 MHz to 6 GHz, -45 to +18 dBm, battery powered

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Options

Radome

Roll Compensation Table

Battery

Power Generator

Pedestal for, Receiver, Dehydrator, Air Condition

Downconverter programmable through GUI

RF and Control through Fiber Optic

Joystick with Touch display

Mobile Hydraulic Tower (up to 8m)

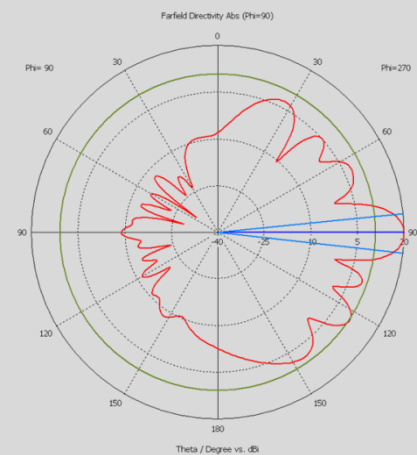
C-Band Specification:

Main lobe magnitude: 20.0 dBi @ 5100 MHz

3 dB beam width: 12,1 °

Side lobe level: -9.0 dB

(Plot Theta / Degree vs. dBi)



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