

WTW-LSC-20

The WTW-LSC 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.



Dimension:	(@ EL. 0°): 27.5" x 17.1" x 26" (WxDxH)
Weight:	~70lbs (depending on configuration)
Modes:	Manual-, Program-, Trajectory-, GPS- and Autotrack (single channel monopulse tracking)
Torque:	~50Nm both axes
Backlash:	< 2arcmin
Velocity:	up to 60°/sec
Acceleration:	up to 100°/sec ²
Travel:	El. -5° to +90°, Az. unlimited (Slipring Assembly and Dual Rotary Joint)
Operational Windspeed:	up to 65mph
Stowed Windspeed:	up to 100mph
Bands:	Lower L-Band (1,435-1,540 MHz) Upper L-Band (1,710-1,850 MHz) S-Band (2,200-2,400 MHz) Nato E-Band (2,185-2,485 MHz) C1-Band (4,400-4,940 MHz) C2e-Band (5,091-5,250 MHz)
Gain:	~ 15dBi @ 1850 MHz ~ 19dBi @ 2350 MHz ~ 19dBi @ 4650 MHz ~ 20dBi @ 5150 MHz
Polarization:	LHCP and RHCP
Protection:	IP65
Temperature:	-20°C to +50°C
Camera:	Full HD 30x optical Zoom GigE Camera
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 with animated antenna display
Transportbox:	Zarges Box 31.5" x 23.6" x 31.5" (W x D x H)
Cables:	16ft Power, CAT 7, RF 1, RF 2, AM, AGC
Dehydrator:	19" Rackmount Indoor with 50m Tube
Signal Generator:	handheld, battery powered, 23,5MHz to 6GHz, -47dbm to +18dBm

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 over Water.



Options

Radom

RF and Control through Fiber Optic

1 axis Roll Compensation Table

Battery Pack

Pedestal for, Receiver, Dehydrator, Air Condition

Joystick with Touch display

Joystick with Touch display

Mast (up to 8m)

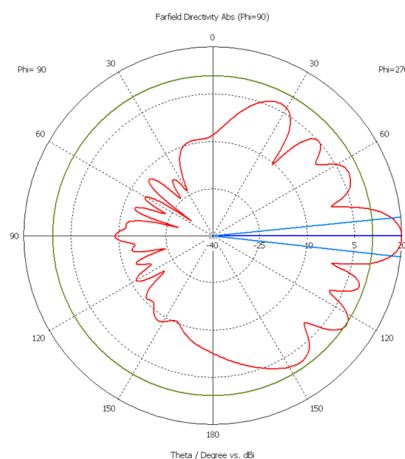
C-Band Specification:

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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