

Series WTW-LSC 20 (IP64)



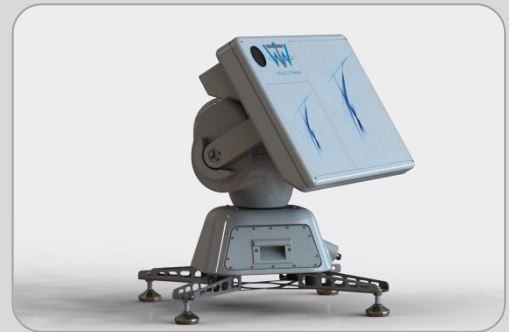
The portable Triband dual axis Autotracking Antenna.



The WTW Anlagenbau GmbH is a premium manufacturer for telemetry antennas using the latest technology combined with ultimate performance for **Airplane, Helicopter, Missile and Rocket** test on **Land or Water**.

The WTW LSC Tracking Antennas are developed in according to the latest technology to fulfil compactness, last technology, low weight and high efficiency.

This is possible with more than 30 years experienced personal in developing robust and long-lasting mechanics and excellent RF features.



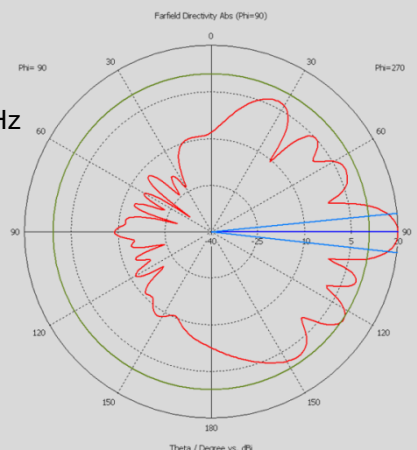
KEY FEATURES

- Weight: appr. 28 kg
- Dimension (Park Position El. 0°): appr. 27.5" x 16" x 22" (WxDxH)
- Polarisation: RHCP und LHCP
- Mode:
 - Auto-, Slave-, Manual-Tracking
- Torque:
 - Az. max. 40 Nm
 - El. max. 69 Nm
- Speed:
 - Az. max. 90°/sec
 - El. max. 60°/sec
- Movement:
 - Az. unlimited (Slipping)
 - El. -5° up to 90°
- operational Windspeed: up to 65mph
- stowed: up to 100mph

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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Series WTW-LSC 20	
Reflector Size	27.5" x 18" (W x H)
Frequency Range	L-Band, U-Band, S-Band and C1-, C2-, C2e-Band (optional up to 6 GHz) Lower L-Band (L): 1435-1540 MHz (standard) Upper L-Band (U): 1710-1850 MHz (standard) S-Band (S): 2200-2400 MHz (standard) NATO E-Band (E): 2185-2485 MHz (standard) C1 Band (C1): 4400-4940 MHz (standard down converted) C2 Band (C2): 5091-5150 MHz (standard down converted) C2e Band (C2e): 5091-5250 MHz (standard down converted)
Gain	appr. 15 dBi @ 1850 MHz appr. 19 dBi @ 2350 MHz appr. 19 dBi @ 4650 MHz appr. 20 dBi @ 5150 MHz
Velocity Azimuth	max. 90°/sec
Velocity Elevation	max. 60°/sec
Acceleration Azimuth	max. 90°/sec ²
Acceleration Elevation	max. 60°/sec ²
Output Torque (max. intermittent)	40 Nm
Elevation Travel	-5° to 90°
Azimuth Travel	unlimited
Power Requirement	appr. 150 W
Temperature	-20°C to +50°C (extended Temperature Range with Air Condition)
Humidity	0 to 100%
Windspeed	Up to 65mph
Dimension in Park Position (WxDxH)	27.5" x 16" x 22" (WxDxH)
Downconverter	C1 Band, C2 Band and C2e Band down to any frequency in the C1F Band, LL Band, UL Band, S Band, extended S Band, 70 MHz and 140MHz
Options	
Radom	
Gimbel	
Battery	
Diesel Generator	
Pedestal for, Receiver, Dehydrator, Air Condition	
Feet for mobile Application	
Mobile Hydraulic Tower (up to 8m)	

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