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

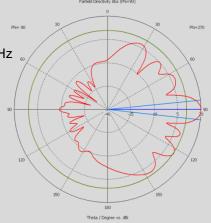
- · Weight: appr. 28 kg
- Dimension (Park Position El. 0°): appr. 27.5" x 16" x 22" (WxDxH)
- Polarisation: RHCP und LHCP
- Mode:
 - Auto-, Slave-, Manual-Tracking
- Torque:
 - Az. max. 40 Nm - El. max. 69 Nm
- Speed:
- Az. max. 90°/sec - El. max. 60°/sec
- Movement:
 - Az. unlimited (Slipring)
 - El. -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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Reflector Size	Series WTW-LSC 20	
Coptional up to 6 GHz)	Reflector Size	27.5" x 18" (W x H)
Lower L-Band (L): 1435-1540 MHz (standard) Upper L-Band (L): 1710-1850 MHz (standard) S-Band (S): 2200-2400 MHz (standard) NATO E-Band (E): 22185-2485 MHz (standard) NATO E-Band (E): 2185-2485 MHz (standard) NATO E-Band (E): 2185-2485 MHz (standard down converted) C2 Band (C2): 5091-5150 MHz (standard down converted) C2 Band (C2): 5091-520 MHz (standard down converted) C2 Band (C2): 5091-520 MHz (standard down converted) C3 Band (C1): 4400-4940 MHz (standard down converted) C3 Band (C2): 5091-520 MHz (standard down converted) C4 Ba	Frequency Range	L-Band, U-Band, S-Band and C1-, C2-, C2e-Band
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) (C2 Band (C2): 5091-5250 MHz (standard down converted) (C3 Band (C2): 5091-5150 MHz (standard down converted) (C3 Band (C3): 5091-5250 MHz (standard down converted) (C3 Band (C3): 5150 MHz (standard down to any frequency in the C3 Band (C3): 5150 MHz (standard down to any frequency in the C3 Band (C3): 5150 MHz (standard famperature Range with Air Condition) (C3 Band (C3): 5150 MHz (S3): 5		
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 (C2): 5091-5250 MHz (standard down converted) C2e Band (C2): 5091-5250 MHz (standard down converted) appr. 19 dBi @ 4850 MHz appr. 19 dBi @ 4850 MHz appr. 20 dBi @ 5150 MHz Velocity Azimuth velocity Elevation max. 90°/sec Acceleration Azimuth max. 90°/sec Acceleration Elevation max. 60°/sec² Acceleration Elevation max. 60°/sec² Acceleration Travel Azimuth Travel unlimited Power Requirement appr. 150 W Temperature -20°C to 450°C (extended Temperature Range with Air Condition) Humidity Windspeed Up to 65mph Dimension in Park Position (WxDxH) 27.5° x 16° x 22° (WxDxH) Downconverter C1 Band, C2 Band and C2 Band down to any frequency in the CIF 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		
Gain Gain Appr. 15 dBi @ 1850 MHz Appr. 19 dBi @ 2350 MHz Appr. 19 dBi @ 4650 MHz Appr. 19 dBi @ 5150 MHz Velocity Azimuth Max. 90°/sec Acceleration Azimuth Max. 90°/sec² Acceleration Elevation Output Torque (max. intermittent) Elevation Travel Azimuth Travel Unlimited Power Requirement -5° to 90° Azimuth Travel Appr. 150 W Temperature -20°C to +50°C (extended Temperature Range with Air Condition) Humidity Oto 100% Windspeed Up to 65mph Dimension in Park Position (WxDxH) Downconverter C1 Band, C2 Band and C2e Band down to any frequency in the CIF Band, LL Band, LL Band, LL Band, LL 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		
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Radom Gimbel Battery Diesel Generator Pedestal for, Receiver, Dehydrator, Air Condition Feet for mobile Application	Downconverter	CIF Band, LL Band, UL Band, S Band, extended S Band, 70 MHz
Gimbel Battery Diesel Generator Pedestal for, Receiver, Dehydrator, Air Condition Feet for mobile Application	Options	
Battery Diesel Generator Pedestal for, Receiver, Dehydrator, Air Condition Feet for mobile Application	Radom	
Diesel Generator Pedestal for, Receiver, Dehydrator, Air Condition Feet for mobile Application	Gimbel	
Pedestal for, Receiver, Dehydrator, Air Condition Feet for mobile Application	Battery	
Feet for mobile Application	Diesel Generator	
Mobile Hydraulic Tower (up to 8m)	Feet for mobile Application	
	Mobile Hydraulic Tower (up to 8m)	

National / International Sales / Marketing:

Tel Data System GmbH Phone: +49 (0) 81 21 – 41 01 18 Email: telemetrie@wtw-anlagenbau.de

TELOTTA SYSTEM GMAH

US Sales / Marketing: Rampart Defense Solutions LLC

Phone: +1 423.552.7064 Email: Brenda@rampartds.com



WTW Anlagenbau GmbH

Gutenbergstrasse 3 26632 Ihlow-Riepe Germany

Germany

Phone: +49 (0) 4928/914598-0 Fax: +49 (0) 4928/914598-9 Email: telemetrie@wtw-anlagenbau.de

Web: www.tracking-antenna.de

