

Communications Solutions

ARA's log-periodic tactical antenna series covers a variety of frequency ranges to support many communication and electronic warfare applications. These antennas have been developed through working with military groups and government offices to offer superior solutions. The LPD Tactical Series antennas have high-efficiency design, reliable RF performance, and innovative storage/collapsing capabilities. These antennas are meant to be used repeatedly in harsh environments, and have an anodized finish for durability.

Features

- Rugged design with anodized finish
- Extremely durable, high power
- Collapsible and foldable elements
- Black, OD green, tan, and clear finishes
- Made in the USA



Configurations & Specifications:

	LPD-3100/C2756	LPD-140-106	LPD-1010-110	LPD-1011-107	LPD-1225/108*	LPD-410-105	LPD-830-105
Gain	6 dBi	6 dBi	6 dBi	6 dBi	7 dBi	7 dBi	5 dBi typical
Frequency (MHz)	30 to 1000	100 to 400	100 to 1000	100 to 1100	120 to 2500	400 to 1000	690 to 3000
VSWR	2.0:1 nominal	2.0:1 nominal	1.8:1 nominal	2.0:1 nominal	2.0:1 nominal	2.0:1 nominal	2.0:1 nominal
Beamwidth (nominal)	75° E-plane 120° H-plane	75° E-plane 120° H-plane	75° E-plane 120° H-plane	75° E-plane 120° H-plane	70° E-plane 110° H-plane	70° E-plane 110° H-plane	85° E-plane 135° H-plane
Power Handling	300 W CW	100 W CW	450 W CW	100 W CW	400 W CW	100 W CW	100 W CW
Antenna Connectors	N Female	N Female	N Female	N Female	N Female	N Female	TNC Female
Storage	Two nylon ballistic bags	Sq fiberglass tube used as mount	Black nylon stow roll	Rnd fiberglass tube used as mount (spring-loaded elements fold into boom sections)	Rnd fiberglass tube used as mount (spring-loaded elements fold into boom sections)	3" rnd fiberglass tube used as mount	Detachable pistol grip or ¼-20 thread
Extended Dimensions	17' x 16.5'	35" x 59"	61.6" x 60.3"	63" x 61"	64" x 50"	20" x 19"	13.8" x 11.3" x 1.1" with pistol grip
Collapsed Dimensions	12" dia x 96" tall	4" x 4" x 24"	6" dia x 24" tall	5.5" dia x 36" tall	6" dia x 35" tall	3" dia x 22" tall	9.5" x 9.5" x 0.85" with pistol grip
Weight	85 lbs (39 kg)	With mast and storage tube: 8.4 lbs (3.8 kg) Antenna only: 5.8 lbs (2.6 kg)	Antenna: 4.5 lbs Mast: 1.2 lbs Stow roll: 0.9 lbs	With storage tube: 16.4 lbs (7.5 kg) Antenna only: 10.7 lbs (4.9 kg)	With storage tube: 17.8 lbs (8.1 kg) Antenna only: 11.0 lbs (5.0 kg)	With storage tube: 4.1 lbs (1.9 kg) Antenna only: 2.1 lbs (1.0 kg)	1 lb (0.45 kg)
Anodized Finish	OD green	Standard: OD green Optional: Black	Black	OD green	OD green	OD green	Black/ABS

*LPD-1225-108-1 configuration is supplied with additional Delrin ring at top to secure antenna for long-term installations.

**All aluminum parts are gold iridite if not anodized.

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