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Q155 SERIES ANTENNA

The Q155 antenna was designed to meet the stringent electrical and mechanical requirements of counter improvised explosive device (IED) applications. Two broadband antenna apertures are housed within a high-impact radome, which is mounted to a heavy-duty spring assembly. The mounting interface is designed to meet the standard vehicle mount (CECOM dwg A3207507).

The low-frequency aperture provides omnidirectional coverage at the lower VHF bands with high gain performance by using an efficient matching network. The upper frequency aperture is comprised of stacked bicone elements located near the top of the assembly avoiding potential blockage by the vehicle. The bicone configuration provides superior pattern coverage from upper VHF through C band frequencies. The Q155 uses a proven assembly based on the Q71 JTIDS antenna, which has undergone full environmental testing, including the stringent “oak beam” impact tests. The design also incorporates a unique spring damper assembly that prevents the antenna from oscillating after an impact.

ELECTRICAL		
	Port 1	Port 2
Frequency range	Lower VHF	Upper VHF through C band
VSWR	3.5:1	2.5:1
Gain	12 dBi typical	-3 dBi typical
Pattern		
Azimuth	Omnidirectional	
Elevation	Figure eight	
Power handling	50 W CW	200 W CW
MECHANICAL		
Connector	BNC female, N female	
Weight	25 lbs	
Options	20 ft armored cables Bumper and fender mounting brackets, hardware	
Finish	Epoxy CARC color green or desert sand	
ENVIRONMENTAL		
Operating temperature	-40 C to +65 C	



KEY FEATURES

- > Counter-IED antenna
- > VHF through C band
- > Omnidirectional azimuth radiation pattern
- > Power handling up to 200 watts CW

For further details and specifications, contact the factory at antenna.info@L3Harris.com

Q155 Series Antenna

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Nonexport-controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers’ mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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