

Antenna Authority, Inc.

DF Antennas Our Specialty!

www.RFDFsystems.com

3381 West County Line Rd. Douglasville, GA 30135-1145

P: 770-577-7969 * F: 770-577-7180 * C: 770-331-0436



PRODUCT SPECIFICATIONS

Product Code --- QLPD-3120 MOBILE DF ANTENNA



Description: An Accurate, Compact Antenna for Mobile Operations

The **QLPD-3120** Mobile DF Antenna is a combination UHF & L Band antenna, consisting of four vertically polarized log periodic elements enclosed in a vacuum formed, ruggedized, compact, lightweight, abrasive-resistant plastic cover with UV protection. The QLPD-3120 is designed to receive vertically polarized signals in the 600 MHz to 3 GHz frequency range providing accurate and repeatable bearings.

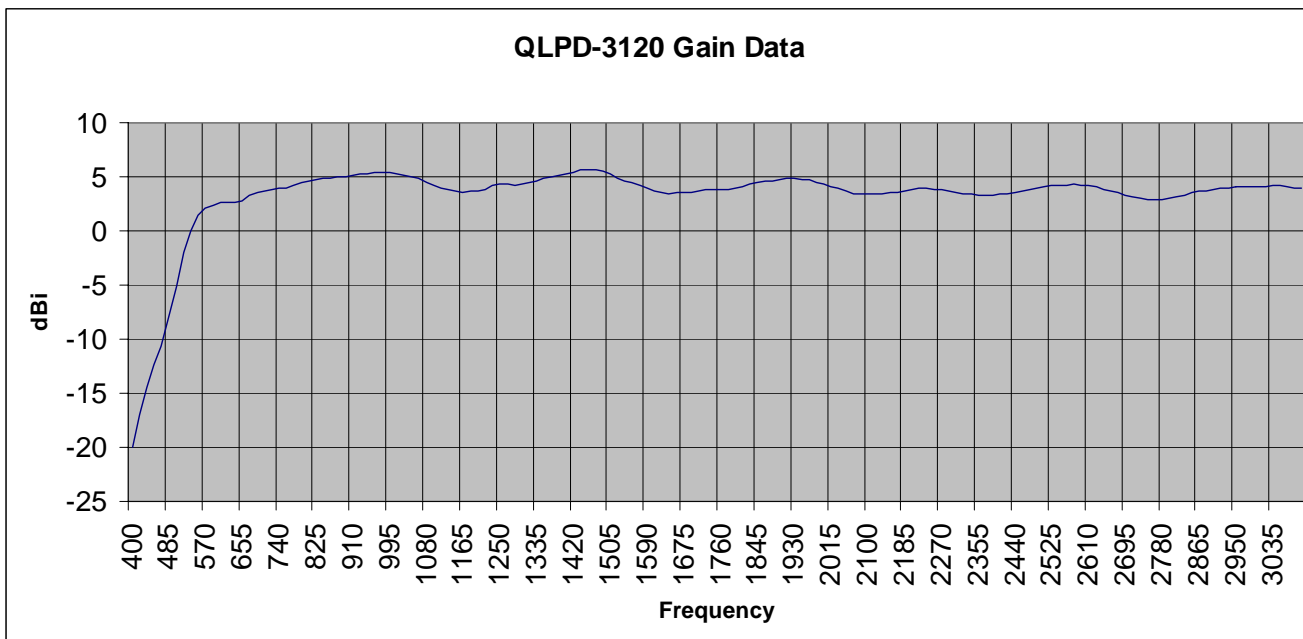
The antenna enclosure is designed to be mounted on a steel vehicle roof. Magnetic mounts are attached to the base to provide stability and facilitate quick and easy vehicle installation. Slots are also included for safety straps.

All power and control signals to the antenna are provided through a single control cable via the DF processor. The received signal, with bearing information encoded, is routed to the receiver through a coaxial cable. Control signals are compatible with the companion **AADF-3100** DF Processor from Antenna Authority Inc.

Electrical Specifications

Frequency Coverage:	600 MHz - 3.0 GHz
Azimuths Coverage:	360° in azimuth
DF Technique:	sequential
Antenna:	4-element log-periodic dipole array
Gain:	3 to 5 dBi
Bearing Accuracy:	5° rms
Power:	Voltage: 12 VDC supplied by processor
Polarization:	Vertical
Impedance:	50 ohms nominal
Bands:	One
Connectors:	TNC, and PT02A12-8P

QLPD-3120 Gain Curves



Mechanical Specifications

Dimensions:	Width: 20.5" (52 cm) x Length : 20.5" (52 cm) x Height: 12" (30 cm)	
Weight:	15 Lbs	
Environments:	Operating: -20°C to +50°C	Storage: -40°C to +70°C
	Humidity: 95%	
Material:	Aluminum, FR-4, Foam	
Cover:	White PVC w/UV Protection	

Features

Stable, rugged construction, in a compact and light weight design that works in harsh conditions.

Ordering Information:

Antenna: Model No. **QLPD-3120**

Processor Required: Model No. **AADF-3100**

Specifications subject to change without notice

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