

This multiband Stud mount antenna integrates several broadband/data networks with GPS. The antenna operates on 2.4 WiFi, 5 GHz WiFi, and GPS. The antenna will also operate on 2.4 Video Surveillance, and 4.9 GHz for Public Safety Broadband. The antenna is excellent for any application needing a secure and stealthy antenna.

The design uses a 5/8" feed thru (1.6 cm) for securing to the vehicle. Access to the underside of the body surface is required to complete the installation. The GPS feed of the antennas are outfitted with 15 feet (4.5 m) of RG-174 cable & SMB or SMA connectors. All connectors

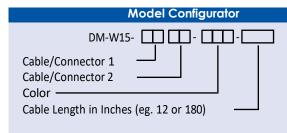
are male (plugs). The broadband cable is 15 feet of RF-195 cable (4.5 m).

GPS performance is 26 dB, with 5 dBi antenna gain. The GPS circuit has a low noise figure (2.0 dB max) with excellent filter characteristics. Power for the GPS amplifier (2.7-5 VDC) and signal is applied through the same cabling directly to the GPS circuit.

The dome portion of the antenna measures  $2.85^{\prime\prime}$  D x  $1.45^{\prime\prime}$  H total (7.2 cm x 3.7 cm). It is made of weatherproof ASA Resin, which is a strong, durable outdoor material with UV stable properties. The antenna is supplied with a weatherseal gasket for the underside and mounting nut.

## Surface Mount Multi-band 2.4, 4.9-6 GHz & GPS

- Stud mounts easily to roof, trunk or bulkhead
- High performance GPS with 26 dB active amplifier
- Operates 2.4/5 GHz & 4.9 Public Safety Bands



Example: DM-W15-3A2C-WHT-180

Also available as a Mag-mount.

Mag-mount option: MGD-W15-3A2C-WHT-180

Cable Options:		Connector Options:		Color Options:	
<u>Code</u>	<u>Cable</u>	<u>Code</u>	Connector	<u>Code</u>	Color
2	RG-174	Α	TNC	WHT	White
3	RF-195	В	Mini UHF	BLK	Black
_		С	SMA		
		D	SMB		

(Other Configurations available.)

Specifications							
Frequency:	2.4/4.9-6 GHz	2.4/5 GHz	RF-195, 15 ft (4.5 m)				
Gain:	2.5 dBi	Surface mount Case:	2.85"D x 1.45"H				
			(7.2 cm x 3.7 cm)				
GPS	1575 MHz	Mag-mount Case:	3.75" D x 1.9"H				
GPS Gain:	26 dB LNA		(9.5 cm x 4.6 cm)				
	5 dBi nominal RHCP Antenna	Case Material:	White or black ASA				
VSWR:	2:1 max over range	Stud Mounting:	5/8" dia x 3/4" long				
Noise Figure:	2.0 dB max, 1.7 dB typical		(1.6 cm x 1.9 cm)				
Operating Temp:	-40° to +80° C		for 3/8" thick				
Nominal Impedance:	50 Ohm		(9.5 mm) metal				
Maximum Power:	10 Watts	Hardware:	Locknut and gasket included				
Amplifier Bias:	2.7 to 5 VDC	Connector:	See above, others available				
Current:	20 mA max, 10 mA typical	Shock & Vibration:	EN 61373, IEEE 1478,				
Cable:			MIL-810G, TIA-329.2-C				
GPS	RG-174, 15 ft (4.5 m)	IP Rating	IPx7				