























# COUNTER-UAS ANTENNAS

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Alaris Antennas has a significant number of antennas which can be used for counter-UAS solutions. The products include linear and circular polarised antennas with various options for sensing, high power transmit and direction-finding applications. The products are designed for use in mobile, base station, and man-portable applications.

		0 MHz	20 MHz	100 MHz	200 MHz	300 MHz	400 MHz	500 MHz	1 GHz	3 GHz	4 GHz	5 GHz	6 GHz	9 GHz	18 GHz	
	DF-A0095	[Bar from 0 to 6 GHz]														
	DF-A0273		[Bar from 20 MHz to 400 MHz]													
	DF-A0257		[Bar from 20 MHz to 6 GHz]													
	DF-A0303		[Bar from 20 MHz to 6 GHz]													
	SPRL-A0005						[Bar from 400 MHz to 450 MHz]									
	HD4050M						[Bar from 400 MHz to 450 MHz]									
	WD4050M						[Bar from 400 MHz to 450 MHz]									
	HD4050Q						[Bar from 400 MHz to 450 MHz]									
	SPRL-A0020						[Bar from 400 MHz to 1 GHz]									
	DF-A0121						[Bar from 400 MHz to 6 GHz]									
	DF-A0254						[Bar from 400 MHz to 6 GHz]									
	LPDA-A0162						[Bar from 400 MHz to 6 GHz]									
	LPDA-A0167						[Bar from 400 MHz to 6 GHz]									
	DFS-A0121						[Bar from 400 MHz to 6 GHz]									
	DF-A0250						[Bar from 400 MHz to 6 GHz]									
	LPDA-A0121						[Bar from 400 MHz to 6 GHz]									
	LPDA-A0141						[Bar from 400 MHz to 6 GHz]									
	WB425M						[Bar from 400 MHz to 6 GHz]									
	WB425XM						[Bar from 400 MHz to 6 GHz]									
	WB460W						[Bar from 400 MHz to 6 GHz]									
	WD460M						[Bar from 400 MHz to 6 GHz]									
	HELI-A0106						[Bar from 400 MHz to 450 MHz]									

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Alaris Antennas has a significant number of antennas which can be used for counter-UAS solutions. The products include linear and circular polarised antennas with various options for sensing, high power transmit and direction-finding applications. The products are designed for use in mobile, base station, and man-portable applications.

	0 MHz	20 MHz	100 MHz	200 MHz	300 MHz	400 MHz	500 MHz	1 GHz	3 GHz	4 GHz	5 GHz	6 GHz	9 GHz	18 GHz
DA4348B						■								
HELI-A0103						■		■						
SPRL-A0025							■	■	■	■	■	■		
LPDA-A0067							■	■						
SPRL-A0010							■	■	■	■	■	■		
SPRL-A0018								■						
SPRL-A0019								■						
SPRL-A0027								■	■	■	■	■		
SPRL-A0008								■	■	■	■	■		
HELI-A0104								■						
HELI-A0108								■						
SPRL-A0021								■	■	■	■	■		
LPDA-A0160								■	■	■	■	■		
DF-A0253								■	■	■	■	■		
HELI-A0105								■			■	■		
SBA2456DB								■			■			
SBA2456XDB								■			■			
DA36B									■	■	■	■		

# COUNTER-UAS ANTENNAS



Antenna	Product Description	Frequency	Gain	Polarisation	Dimensions (mm)	Mass	Connector	Power
<a href="#">DF-A0095</a>	Wideband portable DF Antenna	1 – 6000 MHz	See Data Sheet	Vertical	731 (H) x 1100 (D)	33 kg	See Data Sheet	Receive only
<a href="#">DF-A0273</a>	4-Channel DF Antenna	20 – 500 MHz	See Data Sheet	Vertical	350 (D) x 466 (H)	8 kg	N-Type (f)	1 W
<a href="#">DF-A0257</a>	Compact Adcock DF Antenna	20 - 6000 MHz	See Data Sheet	Vertical	100 (D) x 400 (H)	< 1.5 kg	MIL-DTL-38999 Multi-Pin	-
<a href="#">DF-A0303</a>	Compact 4-Channel DF Antenna	20 – 6000 MHz	See Data Sheet	Vertical	See Data Sheet	< 1.2 kg	MIL-DTL-38999 Multi-Pin	3 W
<a href="#">SPRL-A0005</a>	High Power Circular Polarised Antenna	400 – 450 MHz	> 6 dBi	LHCP	500 (D) x 875 (L)	< 15 kg	7/16 (f)	700 W CW
<a href="#">HD4050M</a>	High gain dipole vehicle antenna	400 - 500 MHz	4 dBi	Vertical	1030 (H)	2.1 kg	N-Type (f)	100 W
<a href="#">WD4050M</a>	Highly efficient vehicle Antenna	400 – 500 MHz	On request	Vertical	510 (H)	1.7 kg	N-Type (f)	200 W
<a href="#">HD4050Q</a>	High gain dipole manpack antenna	400 - 600 MHz	3 dBi	Vertical	838 (H)	410 g	N-Type (m)	75 W
<a href="#">SPRL-A0020</a>	High-Power Circular Polarised Antenna	400 - 2500 MHz	> 6 dBic	LHCP	900 (L) x 510 (D)	< 12 kg	N-Type (f)	200 W
<a href="#">DF-A0121</a>	Compact Dual Band Direction Finding Antenna	400 - 6000 MHz	-	Vertical	304 (D) x 720 (H)	< 12 kg	TNC (f)	-
<a href="#">DF-A0254</a>	Compact Adcock DF Antenna	400 - 6000 MHz	-	Vertical	83 (D) x 385 (H)	< 2 kg	MIL-DTL-38999	-
<a href="#">LPDA-A0162</a>	Dual Port High-Power LPDA Antenna	400 - 6000 MHz	See Data Sheet	Linear	625 (L) x 710 (H) x 160 (W)	< 5 kg	N-Type (f)	100 W CW
<a href="#">LPDA-A0167</a>	Tri Port High-Power LPDA Antenna	400 - 6000 MHz	See Data Sheet	Linear	600 (L) x 880 (H) x 160 (W)	< 6 kg	N-Type (f)	100 W CW
<a href="#">DFS-A0121</a>	Compact Direction-Finding Antenna System	400 - 6000 MHz	See Data Sheet	-	-	-	-	-
<a href="#">DF-A0250</a>	Compact Wideband DF Antenna	400 - 6000 MHz	See Data Sheet	Vertical	2100 (H) x 770 (D)	< 30 kg	TNC (f)	See Data Sheet
<a href="#">LPDA-A0121</a>	High Power LPDA Antenna	400 - 6000 MHz	8 dBi	Linear	450 (W) x 770 (L)	3.7 kg	N-Type (f)	See Data Sheet
<a href="#">LPDA-A0141</a>	High Power LPDA Antenna	400 - 6000 MHz	8 dBi	Linear	450 (W) x 770 (L)	3.7 kg	N-Type (f)	See Data Sheet
<a href="#">WB425M</a>	Compact wideband UHF/SHF vehicle antenna	400 - 6000 MHz	On request	Vertical	130 (H)	1 kg	N-Type (f)	200 W
<a href="#">WB425XM</a>	Ultra Wideband High-Power Vehicle Antenna	400 - 6000 MHz	On request	Vertical	130 (H)	1 kg	7/16 (f)	400 W
<a href="#">WB460W</a>	Wideband UHF/SHF Magnetic Mount Antenna	420 - 6000 MHz	On request	Vertical	142 (H)	900 g	N-Type (f)	200 W
<a href="#">WD460M</a>	Omni Wideband UHF/SHF Vehicle Antenna	420 - 6000 MHz	On request	Vertical	500 (H)	2 kg	N-Type (m)	40 W
<a href="#">HELI-A0106</a>	Dual Port Helical Spiral Antenna	430 – 450 MHz	See Data Sheet	RHCP	650 (L) Radome: 230 (D) Mounting Flange: 470 (D)	< 10 kg	N-Type (f)	150 W CW
<a href="#">DA4348B</a>	High Gain Directional UHF Loop Antenna	430 - 480 MHz	6 dBi	Vertical	300 x 300 x 100	2 kg	N-Type (f)	100 W
<a href="#">HELI-A0103</a>	Dual Port Helical Antenna	433 – 435 MHz 900 – 930 MHz	> 12 dBi	RHCP	1382 (L) Radome: 258 (D) Mounting Flange: 691 (D)	< 15 kg	N-Type (f)	100 W CW
<a href="#">SPRL-A0025</a>	High Power Circular Polarised Antenna	750 – 6000 MHz	> 6 dBi	LHCP	450 (L) Radome: 175 (D) Mounting Flange: 220 (D)	< 2 kg	N-Type (f)	50 W CW
<a href="#">LPDA-A0067</a>	High Power Directional LPDA Antenna	800 – 3000 MHz	12 dBi	Vertical	720 (L) x 80 (W) x 470 (H)	4.5 kg	N-Type (f)	See Data Sheet
<a href="#">SPRL-A0010</a>	Dual Port Circular Polarised Antenna	900 - 6000 MHz	> 6 dBi	RHCP/LHCP	220 (D) x 450 (H)	< 2 kg	N-Type (f)	100 W
<a href="#">SPRL-A0018</a>	High Power Circular Polarised Antenna	1000 - 1600 MHz	12 dBi	RHCP	1000 (L) x 160 (D)	< 3 kg	N-Type (f)	50 W
<a href="#">SPRL-A0019</a>	High Power Circular Polarised Antenna	1000 - 2500 MHz	> 6 dB typical	RHCP/LHCP	220 (D) x 300 (H)	< 2 kg	N-Type (f)	100 W CW
<a href="#">SPRL-A0027</a>	Cavity Backed Spiral Antenna	1000 - 6000 MHz	3 to 5 dBi	LHCP & RHCP	72 (L) x 163 (D)	500 g	SMA (f)	10 W CW
<a href="#">SPRL-A0008</a>	High Power Circular Polarised Antenna	1000 - 6000 MHz	> 6 dBi	LHCP	320 (L) x 150 (D)	< 4 kg	N-Type (f)	50 W
<a href="#">HELI-A0104</a>	Dual Port Helical Antenna	1160 – 1260 MHz	> 12 dBi	RHCP	608 (L) Radome A: 98 (D) Radome B: 64 (D) Mounting Flange 248 x 432	< 3 kg	N-Type (f)	100 W CW

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<a href="#">HELI-A0108</a>	High Power Helical Antenna	1160 - 1610	> 13 dBi	RHCP	900 (L) Radome: 100 (D) Base: 280 (D)	< 3 kg	N-Type (f)	150 W CW
<a href="#">SPRL-A0021</a>	High Power Circular Polarised Antenna	2000 - 6000 MHz	10 dBic	RHCP	< 550 (L) x 100 (D)	< 2 kg	N-Type (f)	100 W
<a href="#">LPDA-A0160</a>	High-Power LPDA Antenna	2000 - 6000 MHz	> 9 dBi	Linear	105 (L) x 341 (W)	TBD	N-Type (f)	See Data Sheet
<a href="#">DF-A0253</a>	Compact Adcock DF Antenna	2000 - 6000 MHz	-	Vertical	83 (D) x 388 (H)	< 2 kg	SMA (f)	< 1 W
<a href="#">HELI-A0105</a>	Dual Port Helical Antenna	2400 – 2500 MHz 5100 – 6000 MHz	> 12 dBi	RHCP	366 (L) Radome: 44 (D) Mounting Flange: 436 (D)	< 1 kg	N-Type (f)	125 W CW
<a href="#">SBA2456DB</a>	Dual Band Switched Beam Antenna	2400 - 2500 MHz & 5600 MHz		Vertical	320 (D)	4.6 kg		10 W
<a href="#">SBA2456XDB</a>	High Power Dual Band Switched Beam Antenna	2400 - 2500 MHz & 5600 MHz		Vertical	320 (D)	4.9 kg		100 W
<a href="#">DA36B</a>	Directional C-UAS Antenna	3000 - 6000 MHz	8.5 dBi	Vertical or Horizontal	300 x 80 x 360	1.5 kg	N-Type (f)	20 W