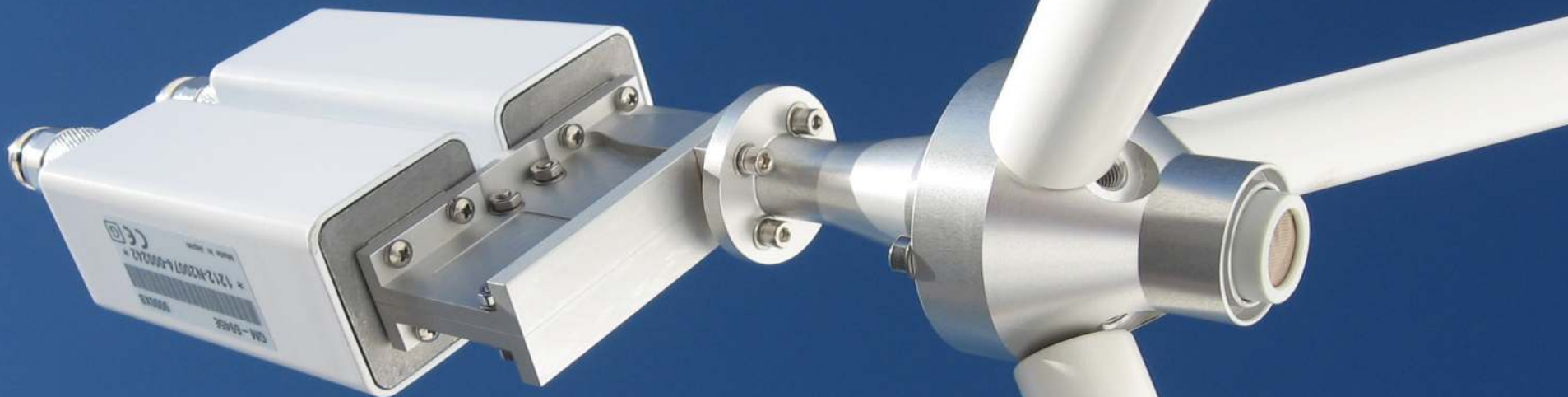




Overview

Elite Antennas Ltd. provide effective, high performance COTS and bespoke Satcom solutions for commercial, research and military customers.



Our principal area of expertise is in the design and manufacture of antennas for satellite links, surveillance, monitoring and meteorological observation, with recent diversification into nuclear medicine and custom waveguide design. As a prime manufacturer of antennas Elite is well placed to meet customers' requirements rapidly and completely.

Company resources include in-house spinning, fabrication and assembly. Design services are supported by Solidworks and HFSS allowing full virtual prototyping and electrical / mechanical simulation. A microwave test laboratory compliments our production facilities and allows in-house test and verification of key system characteristics.

Our customer base includes broadcasters, commercial network operators, systems integrators and government agencies worldwide.

Elite is certified to the internationally recognised ISO 9001 Management Standard.

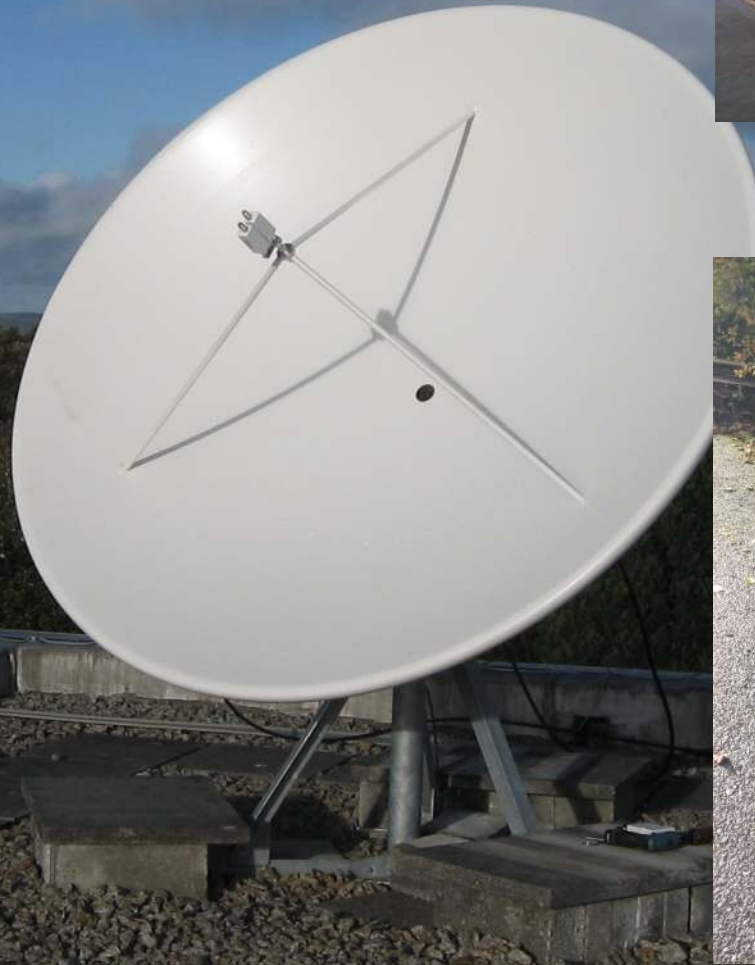
Products

Elite Antennas manufacture a range of antennas, systems and components in all popular Satcom and radar bands. This includes some of the world's strongest static and motorised antennas. Motorised systems are available for beacon tracking, ephemeris tracking, cherrypicking and failover. A range of professional controllers is available in embedded or rackmount format.

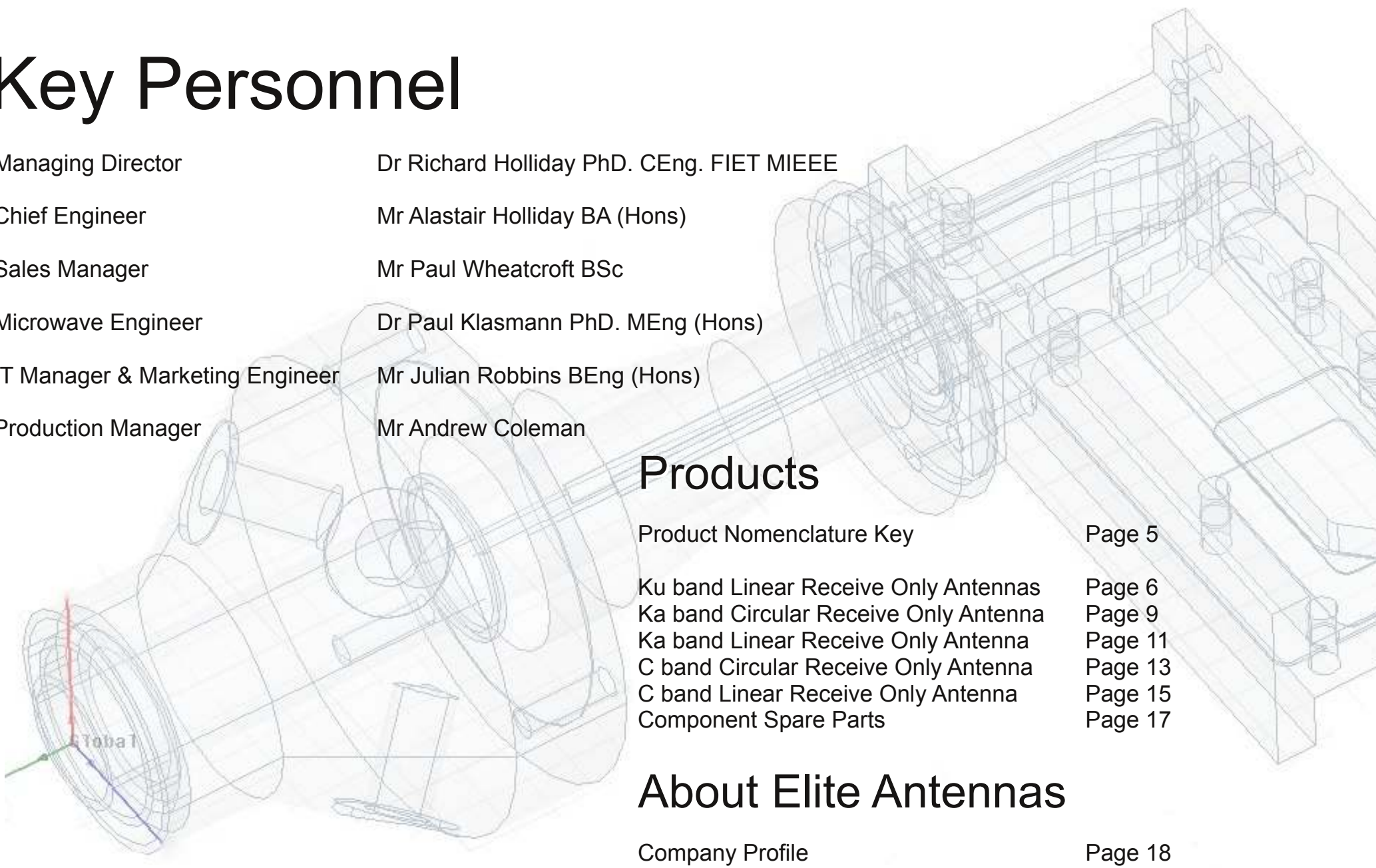
Ka band customers are well catered for with a comprehensive range of Ka band equipment for offset and prime-focus applications.

Developed and manufactured in-house, this range of feed chain equipment features performance levels previously reserved for military and aerospace customers.

Spinnings, fabricated assemblies and other components and sub-assemblies are available to other antenna manufacturers, research agencies and systems integrators.



Key Personnel



Managing Director	Dr Richard Holliday PhD. CEng. FIET MIEEE
Chief Engineer	Mr Alastair Holliday BA (Hons)
Sales Manager	Mr Paul Wheatcroft BSc
Microwave Engineer	Dr Paul Klasmann PhD. MEng (Hons)
IT Manager & Marketing Engineer	Mr Julian Robbins BEng (Hons)
Production Manager	Mr Andrew Coleman

Products

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PRODUCT NOMENCLATURE

Example

E	P	R	18	KU	E
Type	Feed configuration	Tx/Rx	Diameter	Frequency & Polarisation	Mount
E= Earth station	P = Prime focus O = Offset	R = Receive only T = Tx/Rx	09 = 0.9 Metre 12 = 1.2 Metre 13 = 1.3 Metre 14 = 1.4 Metre 15 = 1.5 Metre 18 = 1.8 Metre 20 = 2.0 Metre 22 = 2.2 Metre 24 = 2.4 Metre 28 = 2.8 Metre 30 = 3.0 Metre 37 = 3.7 Metre 45 = 4.5 Metre	KU = Ku Band Linear Polarised KL = Ka Band Linear Polarised KC = Ka Band Circular Polarised CL = C Band Linear Polarised CC = C Band Circular Polarised LC = L Band Circular Polarised	A = A Frame E = Manual El/Az P = Manual Polar M = Motorised El/Az N = Motorised Polar

Ku BAND LINEAR RECEIVE ONLY ANTENNAS

Frequency 10.25 to 12.75 GHz

Part Number	Diameter m	Focal Length mm	Gain dB			Beamwidth degrees	Antenna Noise Kelvin			Azimuth Range		Elevation Range		Weight kg
			10.25 GHz	11.5 GHz	12.75 GHz		@ 10 deg	@ 30 deg	@ 50 deg	Coarse Degrees	Fine Degrees	Coarse Degrees	Fine Degrees	
Manual Elevation and Azimuth Mount														
EPR09KUE	0.9	337.5	37.7	38.4	39.0	2.07	47	37	35	360	N/A	N/A	10-60	11
EPR12KUE	1.2	457.2	40.4	41.7	41.7	1.40	48	38	36	360	N/A	N/A	10-60	24
EPR13KUE	1.3	457.2	41.1	41.8	42.5	1.38	48	38	36	360	N/A	N/A	10-60	26
EPR15KUE	1.5	546.0	42.4	43.1	43.7	1.20	49	39	37	360	+/-5	N/A	10-70	67
EPR18KUE	1.8	755.0	44.1	44.7	45.3	1.03	50	40	38	360	+/-5	N/A	10-70	70
EPR20KUE	2.0	755.0	44.9	45.7	46.3	0.93	51	41	38	360	+/-5	N/A	10-70	75
EPR22KUE	2.2	755.0	45.6	46.3	46.9	0.79	51	41	38	360	+/-5	N/A	10-70	81
EPR24KUE	2.4	823.0	46.1	46.8	47.4	0.77	52	42	40	360	+/-5	N/A	10-70	140
EPR28KUE	2.8	1207	47.3	48.5	49.1	0.62	53	43	41	360	+/-5	N/A	0-46	234
EPR30KUE	3.0	1207	48.4	49.1	49.7	0.60	54	44	42	360	+/-5	N/A	0-46	244
EPR37KUE	3.7	1207	49.9	50.6	51.2	0.47	56	46	44	360	+/-5	N/A	5-35/25-50	495
EPR45KUE	4.5	1535	51.8	52.8	53.7	0.40	40	28	25.3	360	+/-5	N/A	5-35/25-50	1000

Part Number	Diameter m	Focal Length mm	Gain dB			Beamwidth degrees	Antenna Noise Kelvin			Azimuth Range		Elevation Range	
			10.25 GHz	11.5 GHz	12.75 GHz		@ 10 deg	@ 30 deg	@ 50 deg	Degrees	Degrees		
Motorised Elevation and Azimuth Mount													
EPR15KUM	1.5	546.0	42.4	43.1	43.7	1.20	49	39	37	200	0-90		
EPR18KUM	1.8	755.0	44.1	44.7	45.3	1.03	50	40	38	200	0-90		
EPR20KUM	2.0	755.0	44.9	45.7	46.3	0.93	51	41	38	200	0-90		
EPR22KUM	2.2	755.0	45.6	46.3	46.9	0.79	41	41	39	200	0-90		
EPR24KUM	2.4	823.0	46.1	46.9	47.4	0.77	52	42	40	200	0-90		
EPR28KUM	2.8	1207	47.3	47.4	49.1	0.62	53	43	41	200	0-90		
EPR30KUM	3.0	1207	48.4	49.1	49.7	0.60	54	44	42	200	0-90		
EPR37KUM	3.7	1207	49.9	50.6	51.2	0.47	56	46	44	200	0-90		

Part Number	Diameter m	Focal Length mm	Gain dB			Beamwidth degrees	Antenna Noise Kelvin			Azimuth Range		Elevation Range		Weight kg
			10.25 GHz	11.5 GHz	12.75 GHz		@ 10 deg	@ 30 deg	@ 50 deg	Coarse Degrees	Fine Degrees	Coarse Degrees	Fine Degrees	
Manual Polar Mount														
EPR09KUP	0.9	337.5	37.7	38.4	39	2.07	47	37	35	N/A	50W-60E	N/A	N/A	14
EPR12KUP	1.2	457.2	40.4	41.7	41.7	1.40	48	38	36	N/A	50W-60E	N/A	N/A	23
EPR13KUP	1.3	457.2	41.1	41.8	42.5	1.38	48	38	36	N/A	50W-60E	N/A	N/A	56
EPR15KUP	1.5	546.0	42.4	43.1	43.7	1.20	49	39	37	N/A	50W-60E	N/A	N/A	62
EPR18KUP	1.8	755.0	44.1	44.7	45.3	1.03	50	40	38	N/A	50W-60E	N/A	N/A	66
EPR20KUP	2.0	755.0	44.9	45.7	46.3	0.93	51	41	38	N/A	50W-60E	N/A	N/A	71
EPR22KUP	2.2	755.0	45.6	46.3	46.9	0.79	51	41	38	N/A	50W-60E	N/A	N/A	98
EPR24KUP	2.4	823.0	46.1	46.8	47.4	0.77	52	42	40	N/A	50W-60E	N/A	N/A	116

A Frame Mount															
EPR09KUA	0.9	337.5	37.7	38.4	39	2.07	47	37	35	360	+/-5	15 - 45	N/A	9	
EPR12KUA	1.2	457.2	40.4	41.7	41.7	1.40	48	38	36	360	+/-5	8 - 40	N/A	37	
EPR13KUA	1.3	457.2	41.1	41.8	42.5	1.38	48	38	36	360	+/-5	8 - 40	N/A	39	
EPR15KUA	1.5	546.0	42.4	43.1	43.7	1.20	49	39	37	360	+/-5	5 - 44	+/-5	59	
EPR18KUA	1.8	755.0	44.1	44.7	45.3	1.03	50	40	38	360	+/-5	5 - 44	+/-5	61	
EPR20KUA	2.0	755.0	44.9	45.7	46.3	0.93	51	41	38	360	+/-5	5 - 44	+/-5	63	
EPR22KUA	2.2	755.0	45.6	46.3	46.9	0.79	41	41	39	360	+/-5	8 - 40	+/-5	82	
EPR24KUA	2.4	823.0	46.1	46.9	47.4	0.77	52	42	40	360	+/-5	5 - 36	+/-5	124	
EPR28KUA	2.8	1207	47.3	47.4	49.1	0.62	53	43	41	360	+/-5	10 - 46	+/-5	177	
EPR30KUA	3.0	1207	48.4	49.1	49.7	0.60	54	44	42	360	+/-5	10 - 46	+/-5	203	
EPR37KUA	3.7	1207	49.9	50.6	51.2	0.47	56	46	44	360	+/-5	TBA	+/-5	347	

Feed configuration
 Antenna colour
 Antenna construction material
 Mount construction material
 Polar mount declination

Prime Focus
 Powdercoated white RAL9010
 Aluminium
 Mild steel hot dipped galvanised
 0-10 degrees

Ka BAND CIRCULAR RECEIVE ONLY ANTENNAS

Frequency 17 to 22 GHz

Part Number	Diameter m	Focal Length mm	Gain dB			Beamwidth degrees	Antenna Noise Kelvin			Azimuth Range		Elevation Range		Weight kg
			17 GHz Low	19.5 GHz Mid	22 GHz High		@ 10 deg	@ 30 deg	@ 50 deg	Coarse Degrees	Fine Degrees	Coarse Degrees	Fine Degrees	
Manual Elevation and Azimuth Mount														
EPR09KCE	0.9	337.2	42.0	43.2	44.3	1.2	66.3	54.3	51.9	360	N/A	N/A	10-60	11
EPR12KCE	1.2	457.2	44.5	45.7	46.7	0.9	58.0	46.0	43.6	360	N/A	N/A	10-60	24
EPR13KCE	1.3	457.2	45.1	46.3	47.3	0.84	56.1	44.1	41.7	360	N/A	N/A	10-60	26
EPR15KCE	1.5	546.0	46.4	47.6	48.6	0.73	53.0	41.0	38.6	360	+/-5	N/A	10-70	67
EPR18KCE	1.8	755.0	48.1	49.4	50.4	0.58	49.7	37.7	35.3	360	+/-5	N/A	10-70	70
EPR20KCE	2.0	755.0	48.9	50.1	51.2	0.54	48.0	36.0	33.6	360	+/-5	N/A	10-70	75
EPR22KCE	2.2	755.0	49.6	50.8	51.4	0.51	46.6	34.6	32.2	360	+/-5	N/A	10-70	81
EPR24KCE	2.4	823.0	50.3	51.5	52.6	0.46	45.5	33.5	31.1	360	+/-5	N/A	10-70	140
EPR28KCE	2.8	1207	52.0	53.2	54.3	0.37	43.7	31.7	29.3	360	+/-5	N/A	0-46	234
EPR30KCE	3.0	1207	52.5	53.8	54.8	0.35	43.0	31.0	28.6	360	+/-5	N/A	0-46	244
EPR37KCE	3.7	1207	54.1	55.3	56.3	0.30	41.1	29.1	26.7	360	+/-5	N/A	5-35/25-50	495
EPR45KCE	4.5	1535	55.8	57.0	58.1	0.24	39.7	27.7	25.3	360	+/-5	N/A	5-35/25-50	1000

Ka BAND CIRCULAR RECEIVE ONLY ANTENNAS

Frequency 17 to 22 GHz

Part Number	Diameter m	Focal Length mm	Gain dB			Beamwidth degrees	Antenna Noise Kelvin			Azimuth Range Degrees	Elevation Range Degrees
			17 GHz Low	19.5 GHz Mid	22 GHz High		@ 10 deg	@ 30 deg	@ 50 deg		
Motorised Elevation and Azimuth Mount											
EPR15KCM	1.5	546.0	46.4	47.6	48.6	0.73	53.0	41.0	38.6	200	0-90
EPR18KCM	1.8	755.0	48.1	49.4	50.4	0.58	49.7	37.7	35.3	200	0-90
EPR20KCM	2.0	755.0	48.9	50.1	51.2	0.54	48.0	36.0	33.6	200	0-90
EPR22KCM	2.2	755.0	49.6	50.8	51.4	0.51	46.6	34.6	32.2	200	0-90
EPR24KCM	2.4	823.0	50.3	51.5	52.6	0.46	45.5	33.5	31.1	200	0-90
EPR28KCM	2.8	1207	52.0	53.2	54.3	0.37	43.7	31.7	29.3	200	0-90
EPR30KCM	3.0	1207	52.5	53.8	54.8	0.35	43.0	31.0	28.6	200	0-90
EPR37KCM	3.7	1207	54.1	55.3	56.3	0.30	41.1	29.1	26.7	200	0-90

Feed configuration
 Antenna colour
 Antenna construction material
 Mount construction material
 Polar mount declination

Prime Focus
 Powdercoated white RAL 9010
 Aluminium
 Mild steel hot dipped galvanised
 0-10 degree

NOTE K is new code for Ka band antennas
 Therefore KC is Ka Circular, and KL is Ka Linear

Ka BAND LINEAR RECEIVE ONLY ANTENNAS

Frequency 17 to 22 GHz

Part Number	Diameter m	Focal Length mm	Gain dB			Beamwidth degrees	Antenna Noise Kelvin			Azimuth Range		Elevation Range		Weight kg
			17 GHz Low	19.5 GHz Mid	22 GHz High		@ 10 deg	@ 30 deg	@ 50 deg	Coarse Degrees	Fine Degrees	Coarse Degrees	Fine Degrees	
Manual Elevation and Azimuth Mount														
EPR09KLE	0.9	337.2	42.0	43.2	44.3	1.2	66.3	54.3	51.9	360	N/A	N/A	10-60	11
EPR12KLE	1.2	457.2	44.5	45.7	46.7	0.9	58.0	46.0	43.6	360	N/A	N/A	10-60	24
EPR13KLE	1.3	457.2	45.1	46.3	47.3	0.84	56.1	44.1	41.7	360	N/A	N/A	10-60	26
EPR15KLE	1.5	546.0	46.4	47.6	48.6	0.73	53.0	41.0	38.6	360	+/-5	N/A	10-70	67
EPR18KLE	1.8	755.0	48.1	49.4	50.4	0.58	49.7	37.7	35.3	360	+/-5	N/A	10-70	70
EPR20KLE	2.0	755.0	48.9	50.1	51.2	0.54	48.0	36.0	33.6	360	+/-5	N/A	10-70	75
EPR22KLE	2.2	755.0	49.6	50.8	51.4	0.51	46.6	34.6	32.2	360	+/-5	N/A	10-70	81
EPR24KLE	2.4	823.0	50.3	51.5	52.6	0.46	45.5	33.5	31.1	360	+/-5	N/A	10-70	140
EPR28KLE	2.8	1207	52.0	53.2	54.3	0.37	43.7	31.7	29.3	360	+/-5	N/A	0-46	234
EPR30KLE	3.0	1207	52.5	53.8	54.8	0.35	43.0	31.0	28.6	360	+/-5	N/A	0-46	244
EPR37KLE	3.7	1207	54.1	55.3	56.3	0.30	41.1	29.1	26.7	360	+/-5	N/A	5-35/25-50	495
EPR45KLE	4.5	1535	55.8	57.0	58.1	0.24	39.7	27.7	25.3	360	+/-5	N/A	5-35/25-50	1000

Ka BAND LINEAR RECEIVE ONLY ANTENNAS

Frequency 17 to 22 GHz

Part Number	Diameter m	Focal Length mm	Gain dB			Beamwidth degrees	Antenna Noise Kelvin			Azimuth Range Degrees	Elevation Range Degrees
			17 GHz Low	19.5 GHz Mid	22 GHz High		@ 10 deg	@ 30 deg	@ 50 deg		
Motorised Elevation and Azimuth Mount											
EPR15KLM	1.5	546.0	46.4	47.6	48.6	0.73	53.0	41.0	38.6	200	0-90
EPR18KLM	1.8	755.0	48.1	49.4	50.4	0.58	49.7	37.7	35.3	200	0-90
EPR20KLM	2.0	755.0	48.9	50.1	51.2	0.54	48.0	36.0	33.6	200	0-90
EPR22KLM	2.2	755.0	49.6	50.8	51.4	0.51	46.6	34.6	32.2	200	0-90
EPR24KLM	2.4	823.0	50.3	51.5	52.6	0.46	45.5	33.5	31.1	200	0-90
EPR28KLM	2.8	1207	52.0	53.2	54.3	0.37	43.7	31.7	29.3	200	0-90
EPR30KLM	3.0	1207	52.5	53.8	54.8	0.35	43.0	31.0	28.6	200	0-90
EPR37KLM	3.7	1207	54.1	55.3	56.3	0.30	41.1	29.1	26.7	200	0-90

C BAND CIRCULAR RECEIVE ONLY PRIME FOCUS ANTENNAS

Frequency 3.4 to 4.2 GHz

Part Number	Diameter m	Focal Length mm	Gain dB			Beamwidth degrees	Antenna Noise Kelvin			Azimuth Range		Elevation Range		Weight kg
			3.4 GHz Low	3.8 GHz Mid	4.2 GHz High		@ 10 deg	@ 30 deg	@ 50 deg	Coarse Degrees	Fine Degrees	Coarse Degrees	Fine Degrees	
Manual Elevation and Azimuth Mount														
EPR15CCE	1.5	546.0	32.6	33.6	34.5	3.6	47	38	36	360	+/-5	N/A	10-70	67
EPR18CCE	1.8	755.0	33.7	35.2	36.1	3.0	45	37	36	360	+/-5	N/A	10-70	70
EPR20CCE	2.0	755.0	34.6	36.1	37.0	2.7	44	37	35	360	+/-5	N/A	10-70	75
EPR22CCE	2.2	755.0	36.0	37.0	37.8	2.5	43	36	34	360	+/-5	N/A	10-70	81
EPR24CCE	2.4	823.0	36.7	37.7	38.6	2.2	42	34	33	360	+/-5	N/A	10-70	140
EPR28CCE	2.8	1207	38.1	39.1	39.9	1.9	42	35	33	360	+/-5	N/A	0-46	234
EPR30CCE	3.0	1207	38.7	39.7	40.5	1.8	42	34	33	360	+/-5	N/A	0-46	244
EPR37CCE	3.7	1207	40.5	41.5	42.3	1.4	41	35	33	360	+/-5	N/A	5-35 / 25-50	495
EPR45CCE	4.5	1535	42.2	43.2	44.0	1.2	34	28	25	360	+/-5	N/A	5-35 / 25-50	1000

Part Number	Diameter m	Focal Length mm	Gain dB			Beamwidth degrees	Antenna Noise Kelvin			Azimuth Range	Elevation Range
			3.4 GHz Low	3.8 GHz Mid	4.2 GHz High		@ 10 deg	@ 30 deg	@ 50 deg	Degrees	Degrees
Motorised Elevation and Azimuth Mount											
EPR15CCM	1.5	546.0	32.6	33.6	34.5	3.6	47	38	36	200	0-90
EPR18CCM	1.8	755.0	33.7	35.2	36.1	3.0	45	37	36	200	0-90
EPR20CCM	2.0	755.0	34.6	36.1	37.0	2.7	44	37	35	200	0-90
EPR22CCM	2.2	755.0	36.0	37.0	37.8	2.5	43	36	34	200	0-90
EPR24CCM	2.4	823.0	36.7	37.7	38.6	2.2	42	34	33	200	0-90

EPR28CCM	2.8	1207	38.1	39.1	39.9	1.9	42	35	33	200	0-90
EPR30CCM	3.0	1207	38.7	39.7	40.5	1.8	42	34	33	200	0-90
EPR37CCM	3.7	1207	40.5	41.5	42.3	1.4	41	35	33	200	0-90
EPR45CCM	4.5	1535	42.2	43.2	44.0	1.2	34	28	25	200	0-90

Part Number	Diameter m	Focal Length mm	Gain dB			Beamwidth degrees	Antenna Noise Kelvin			Azimuth Range		Elevation Range		Weight kg
			3.4 GHz Low	3.8 GHz Mid	4.2 GHz High		@ 10 deg	@ 30 deg	@ 50 deg	Coarse Degrees	Fine Degrees	Coarse Degrees	Fine Degrees	

Manual Polar Mount

EPR15CCP	1.5	546.0	32.6	33.6	34.5	3.6	47	38	36	N/A	50W-60E	N/A	N/A	62
EPR18CCP	1.8	755.0	33.7	35.2	36.1	3.0	45	37	36	N/A	50W-60E	N/A	N/A	66
EPR20CCP	2.0	755.0	34.6	36.1	37.0	2.7	44	37	35	N/A	50W-60E	N/A	N/A	71
EPR22CCP	2.2	755.0	36.0	37.0	37.8	2.5	43	36	34	N/A	50W-60E	N/A	N/A	98
EPR24CCP	2.4	823.0	36.7	37.7	38.6	2.2	42	34	33	N/A	50W-60E	N/A	N/A	116

A Frame Mount

EPR15CCA	1.5	546.0	32.6	33.6	34.5	3.6	47	38	36	360	+/-5	5-44	+/-5	59
EPR18CCA	1.8	755.0	33.7	35.2	36.1	3.0	45	37	36	360	+/-5	5-44	+/-5	61
EPR20CCA	2.0	755.0	34.6	36.1	37.0	2.7	44	37	35	360	+/-5	5-44	+/-5	63
EPR22CCA	2.2	755.0	36.0	37.0	37.8	2.5	43	36	34	360	+/-5	8-40	+/-5	82
EPR24CCA	2.4	823.0	36.7	37.7	38.6	2.2	42	34	33	360	+/-5	5-36	+/-5	124
EPR28CCA	2.8	1207	38.1	39.1	39.9	1.9	42	35	33	360	+/-5	10-46	+/-5	177
EPR30CCA	3.0	1207	38.7	39.7	40.5	1.8	42	34	33	360	+/-5	10-43	+/-5	203
EPR37CCA	3.7	1207	40.5	41.5	42.3	1.4	41	35	33	360	+/-5	TBA	+/-5	347

Feed configuration

Antenna colour

Antenna construction material

Mount construction material

Prime Focus

Powdercoated white RAL 9010

Aluminium

Mild steel hot dipped galvanised

C BAND LINEAR RECEIVE ONLY PRIME FOCUS ANTENNAS

Frequency 3.4 to 4.2 GHz

Part Number	Diameter m	Focal Length mm	Gain dB			Beamwidth degrees	Antenna Noise Kelvin			Azimuth Range		Elevation Range		Weight kg
			3.4 GHz Low	3.8 GHz Mid	4.2 GHz High		@ 10 deg	@ 30 deg	@ 50 deg	Coarse Degrees	Fine Degrees	Coarse Degrees	Fine Degrees	
Manual Elevation and Azimuth Mount														
EPR15CLE	1.5	546.0	32.6	33.6	34.5	3.6	40	31	29	360	+/-5	N/A	10-70	67
EPR18CLE	1.8	755.0	33.7	35.2	36.1	3.0	38	30	29	360	+/-5	N/A	10-70	70
EPR20CLE	2.0	755.0	34.6	36.1	37.0	2.7	37	30	28	360	+/-5	N/A	10-70	75
EPR22CLE	2.2	755.0	36.0	37.0	37.8	2.5	36	29	27	360	+/-5	N/A	10-70	81
EPR24CLE	2.4	823.0	36.7	37.7	38.6	2.2	35	27	26	360	+/-5	N/A	10-70	140
EPR28CLE	2.8	1207	38.1	39.1	39.9	1.9	35	28	26	360	+/-5	N/A	0-46	234
EPR30CLE	3.0	1207	38.7	39.7	40.5	1.8	35	27	26	360	+/-5	N/A	0-46	244
EPR37CLE	3.7	1207	40.5	41.5	42.3	1.4	34	28	26	360	+/-5	N/A	5-35 / 25-50	495
EPR45CLE	4.5	1535	42.2	43.2	44.0	1.2	34	28	25	360	+/-5	N/A	5-35 / 25-50	1000

Manual Polar Mount														
EPR15CLP	1.5	546.0	32.6	33.6	34.5	3.6	40	31	29	N/A	50W-60E	N/A	N/A	62
EPR18CLP	1.8	755.0	33.7	35.2	36.1	3.0	38	30	29	N/A	50W-60E	N/A	N/A	66
EPR20CLP	2.0	755.0	34.6	36.1	37.0	2.7	37	30	28	N/A	50W-60E	N/A	N/A	71
EPR22CLP	2.2	755.0	36.0	37.0	37.8	2.5	36	29	27	N/A	50W-60E	N/A	N/A	98
EPR24CLP	2.4	823.0	36.7	37.7	38.6	2.2	35	27	26	N/A	50W-60E	N/A	N/A	116

A Frame Mount														
EPR15CLA	1.5	546.0	32.6	33.6	34.5	3.6	40	31	29	360	+/-5	5-44	+/-5	59
EPR18CLA	1.8	755.0	33.7	35.2	36.1	3.0	38	30	29	360	+/-5	5-44	+/-5	61
EPR20CLA	2.0	755.0	34.6	36.1	37.0	2.7	37	30	28	360	+/-5	5-44	+/-5	63
EPR22CLA	2.2	755.0	36.0	37.0	37.8	2.5	36	29	27	360	+/-5	8-40	+/-5	82
EPR24CLA	2.4	823.0	36.7	37.7	38.6	2.2	35	27	26	360	+/-5	5-36	+/-5	124
EPR28CLA	2.8	1207	38.1	39.1	39.9	1.9	35	28	26	360	+/-5	10-46	+/-5	177
EPR30CLA	3.0	1207	38.7	39.7	40.5	1.8	35	27	26	360	+/-5	10-43	+/-5	203
EPR37CLA	3.7	1207	40.5	41.5	42.3	1.4	34	28	26	360	+/-5	TBA	+/-5	347

Part Number	Diameter m	Focal Length mm	Gain dB			Beamwidth degrees	Antenna Noise Kelvin			Azimuth Range	Elevation Range
			3.4 GHz Low	3.8 GHz Mid	4.2 GHz High		@ 10 deg	@ 30 deg	@ 50 deg		
										Degrees	Degrees

Motorised Elevation and Azimuth Mount											
EPR15CLM	1.5	546.0	32.6	33.6	34.5	3.6	40	31	29	200	0-90
EPR18CLM	1.8	755.0	33.7	35.2	36.1	3.0	38	30	29	200	0-90
EPR20CLM	2.0	755.0	34.6	36.1	37.0	2.7	37	30	28	200	0-90
EPR22CLM	2.2	755.0	36.0	37.0	37.8	2.5	36	29	27	200	0-90
EPR24CLM	2.4	823.0	36.7	37.7	38.6	2.2	35	27	26	200	0-90
EPR28CLM	2.8	1207	38.1	39.1	39.9	1.9	35	28	26	200	0-90
EPR30CLM	3.0	1207	38.7	39.7	40.5	1.8	35	27	26	200	0-90
EPR37CLM	3.7	1207	40.5	41.5	42.3	1.4	34	28	26	200	0-90

Feed configuration
 Antenna colour
 Antenna construction material
 Mount construction material
 Polar mount declination

Prime Focus
 Powdercoated white RAL9010
 Aluminium
 Mild steel hot dipped galvanised
 0-10 degrees

Component Parts

Reflectors		
Part Number	Diameter	Focal Length
R340-152 (one section)	0.34m	152mm
R600-228 (one section)	0.6m	228.0mm
R900-337 (one section)	0.9m	337.2mm
R1000-304 (one section)	1.0m	304.8mm
R1200-457 (one section)	1.2m	457.2mm
R1300-457 (one section)	1.3m	457.2mm
R1500-546 (one section)	1.5m	546.0mm
R1800-755 (one section)	1.8m	755.0mm
R1950-823 (one section)	1.95m	823.0mm
R2000-609 (one section)	2.0m	609.9mm
R2000-755 (one section)	2.0m	755.0mm
R2100-755 (one section)	2.1m	755.0mm
R2200-755 (one section)	2.2m	755.0mm
R2400-823 (one section)	2.4m	823.0mm
R2800-914 (one section)	2.8m	914.4mm
R2800-1207 (one section)	2.8m	1207mm
R3000-914 (one section)	3.0m	914mm
R3000-1207 (one section)	3.0m	1207mm
R3700-1207 (two/four sections)	3.7m	1207mm
R4500-1535 (four sections)	4.5m	1535mm

Also offered:

- De-icing for reflectors and feeds
- Foundation kits
- Various replacement mounts
- Feed support arms
- Non Penetrating Mounts

About Elite Antennas Ltd

Elite Antennas Ltd. filled the gap in the antenna market which was left when Precision Antennas Ltd closed in 2008. Elite purchased much of Precision's production equipment, and is now the largest European producer of spun antennas. Reflectors with diameter up to 4.5m are available.

The company produces reflectors with a wide range of F/D ratios and is able to manufacture “specials” when needed. The company also manufactures antenna pedestals and positioning systems, both manually and electronically controlled. Steelwork is produced by our own fully approved welders.

Our principal areas of expertise are the design and manufacture of antennas for satcoms, surveillance and weather radars at C, X, Ku and Ka bands. A wide range of antenna feeds, polarisers and other antenna components are produced as standard and items may also be designed to customer specification. Resources include HFSS microwave design software, Solidworks mechanical design software and a dedicated microwave laboratory used by our skilled design engineers. Staff include two PhD's, three first degrees and various technical level qualifications.

In addition to spinning machines, Elite has a wide range of other workshop equipment, including CNC machining facilities.

Elite Antennas Ltd is ISO9001:2008 certificated. Many products are exported and customers include government and commercial establishments worldwide including in Europe, USA, Hong Kong, Israel and Singapore. Our customers include Qinetiq, Arqiva, BBC, Selex, Goonhilly and Rohde and Schwarz.

The company welcomes the opportunity to work with customers to develop specific antenna solutions for integration into larger systems.

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our sales team will call you.