Antenna Systems

Portable • Central Receive • Fixed Links • Airborne • Mobile

VISLINK
News & Entertainment

ENG Mobile

2A20SS/7A30SS
- 20 dBi @ 2 GHz
  30 dBi @ 7 GHz
- Solid-state RF switching
- Quad polarization standard
- Low-profile, offset-fed design

Ellipse 2000
- 23 dB @ 2 GHz
  34 dB @ 7 GHz
- Solid-state RF switching
- Quad polarization
- Low-profile, offset-fed design

ProStar 2A20/7A30
- 2 & 2.5 GHz
  6.425 to 7.125 GHz
- Dual-band:
  2/2.5 & 6.5/7 GHz
- 21 dBi @ 2 GHz
  29 dBi @ 7 GHz
- RC, LC, and H Polarization
- High gain, low-profile, offset design

Horns

Frequency	Nominal Gain
1.70–2.0 or 2.0–2.7	13 or 16 dB Models
4.4 to 5.0	17 dB
6.4 to 7.125	19 dB
12.7 to 13.2	20 dB
14.5 to 15.7	20 dB

MegaHorn
- Ideal for portable and mobile production ENG applications
- High gain & lightweight
- Available with the MRC "Twist Lock" adapter or "N" connector
- Linear or circular polarization
- Switchable linear twist lock optional
- Pole mount option

GPS Tracking

Quick Track
- Integrated GPS Tracking Antenna using Wide Area Augmented Surface (WAAS)
- Frequency
- 2/2.5, 2/7
  2.3 to 2.7 GHz
  4.4 to 5.0 GHz
- Gain / Frequency
  20 dBi @ 2 GHz
  21 dBi @ 2.44 GHz
  28 dBi @ 4.4 to 5.0 GHz
  30 dBi @ 7 GHz
- Digital Ready 4/2 or 7/2 GHz BCD
- Continuous rotation
- Optional Omni antenna for close in operation

Sector Track
- Auto tracking GPS antenna for air to ground reception
- 1.99 to 2.5 GHz
- 13 dBi Gain
- 4 sector antenna arrays
- Built-in computer, GPS receiver and integral compass

Steerable

ProScan III
- 2/2.5, 6/7, 13 & 14 GHz
- 26 dB gain LNA (2 GHz) with remote 24/12 dB gain reductions switching on LNA/BDC
- 6/7 GHz and 13 GHz Dual BDC (7 GHz comes standard with a 9.125 digital-ready option)
- 1.4 Meter Cosecant squared surface
- Quad polarizations (H,V, LCP, RCP)

Ellipse DR II
- Gain/Freqequency
  - 23 dBi @ 2 GHz
  - 34 dBi @ 7 GHz
  - 36 dBi @ 13 GHz
  - 38 dBi @ 14/15 GHz
- Single, dual, or tri-band
- Dual axis pan and tilt control
- Continuous rotation, solid-state switching
- H,V, LCP, RCP Polarization

UltraScan DR II
- Wideband, 2/2.5 GHz Dual band 2/7 GHz Triband 2/7/13 GHz
- 26 dB gain LNA
- All Solid State Switching
- LNB (7 & 13 GHz systems)
- Low noise amplifier and filter integrated into feed
- Low profile, Lightweight
- RC, LC, H, and V polarization

Sectorized

Compact Sector
- 2 thru 7 GHz
- 9, 12, & 14.5 dBi Models
- Beamwidth:
  Elevation - 35, 18, or 9 degrees
  Azimuth - 100 degrees
- Vertical Polarization

Sector Scan II
- 2, 7, or 2/7 GHz
- 13 or 16 dBi Models
- Flat panel design
- Lightweight & rugged
- Low wind loads
- Vertical, Horizontal, or Quad Polarization

Quad Sector Tx/Rx
- 1.99-2.50 GHz
- 16 dBi gain
- Four 90-degree sectors with dipole arrays
- Vertical polarization
- Selectable arrays from antenna controllers on receive model

Omni-Directional

Omni-Directional

- 1.7 to 1.99 GHz
  1.99 to 2.1 GHz
  2.1 to 2.3 GHz
  2.3 to 2.5 GHz
  2.3 to 2.7 GHz
  6.4 to 7.1 GHz
- 2 or 5 dBi gain models
- Connector, flange, or magnet mount

Colinear

- 1.7 thru 7 GHz
- 2, 4.5, or 6 dBi gain models

OmniPole

- 1.7 to 1.99 GHz
  1.99 to 2.2 GHz
  2.2 to 2.5 GHz
  2.3 to 2.7 GHz
- 8 dBi or High Gain 11 dBi Models
- LNA/Filter option
- 58" Length

Hi-Gain Colinear

- 2 thru 7 GHz
- 11 dBi Gain
- Rugged design
- Optional pole or tripod mounts

Rx Omni

- 4.4 to 5.0 GHz
  6.4 to 7.125 GHz
- 11 dBi Nom. Gain
- Built in 7/2 GHz or 5/2 GHz digital ready block down converter with 22 dB 2 GHz LNA gain
- +24 Vdc Bias "T"

Tx Van Omni

- High Gain Digital Ready COFDM Transmit Antenna
- 6.4 to 7.125 GHz
- 11 dBi nominal
- Lightweight and rugged design

Satellite

NewSwift

- Vehicle Mount Steerable Satellite Antenna
- 0.9, 1.2, 1.5, 1.8 meter diameter antennas
- Rapid deployment
- Full 3 axis control, includes 360 azimuth range
- C, X, Ku, DBS, and Ka band feeds available
- GPS based auto satellite acquisition package available
- 800 City database controller
- Tracking option with beacon receiver
- Fully remote controllable
- Intelsat & Eutelsat type approved

FlyDrive

- Compact lightweight, fully motorized satellite terminal designed for rapid deployment
- Can be used either as flyaway or vehicle mount
- 1.2 or 1.5 meter diameters
- Compact lightweight, fully motorized satellite terminal designed for rapid deployment
  Can be used either as flyaway or vehicle mount
- IATA weight compliant flight cases
- Full 3 axis motorized control with manual backup
- X, Ku, DBS and Ka band feeds available.
- Satellite auto acquisition and tracking packages available
- Easily deployed by a single user
- Can be used as a flyaway or semi-permanent vehicle mounted antenna using standard roof rack fittings
- Drive Control Unit housed within main antenna case
- Combines with compact half rack 5000 series system electronics

Mantis

- Flyaway antenna with manual point or motorized tracking available for inclined orbit operation
- 1.0, 1.2, 1.9, 2.4 meter diameter antennas
- Lightweight rugged system with carbon fiber flight cases
- Easily deployed by a single user
- Flight cases IATA baggage compliant option
- Constructed from latest carbon fibre composite materials for minimum weight
- Multiple band operation
- In operation worldwide
- Intelsat type approved at C band

Summit

- 1 Meter Flyaway Antenna
- Ku and Ka Bands
- Five Minute Deploy and Stow
- Single Box Two Person Carry MIL-STD-810F Transit Case
- Satellite Auto Acquisition
- Inclined Orbit Satellite Tracking
- No Tools Required

Parabolic

Millenium Series

- 1.7 to 1.99 GHz
  1.99 to 2.7 GHz
  6.4 to 7.4 GHz
  7.1 to 7.7 GHz
  12.7 to 13.2 GHz
  14.4 to 15.35 GHz
- 2, 3, or 4 ft diameter
- Choice of Twist Lock Reflector or Quick Connect Feed
- Pole Mount Option

Dia.	Frequency - GHz				
	2	5	7	12	15
2 ft.	19 dBi	30 dBi	31 dBi	35 dBi	36 dBi
3 ft.	23 dBi	32 dBi	34 dBi	38 dBi	40 dBi
4 ft.	25 dBi	36 dBi	37 dBi	41 dBi	42 dBi

18/23 GHz Parabolic

- 2, 3, or 4 ft. diameter
- Plane or dual polarized
- IEC or EIA flanges available

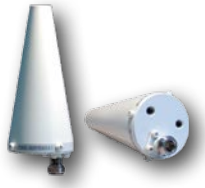
18 GHz		
Dia.	Plane Polarized	Dual Polarized
2'	38.6 dBi	38.4 dBi
3'	42.0 dBi	41.8 dBi
4'	44.5 dBi	44.3 dBi
23 GHz		
Dia.	Plane Polarized	Dual Polarized
2'	40.2 dBi	40.0 dBi
3'	43.7 dBi	43.5 dBi
4'	46.2 dBi	46.0 dBi

18/23 GHz High Performance

- 1, 1.5, 2, 3, or 4 ft. diameter
- Plane or dual polarized
- IEC or EIA flanges available

18 GHz		
Dia.	Gain (Nominal) Plane Polarized	Gain (Nominal) Dual Polarized
1'	34.0 dBi	33.8 dBi
1.5'	36.2 dBi	36.0 dBi
2'	38.6 dBi	38.4 dBi
3'	42.0 dBi	41.8 dBi
4'	44.5 dBi	44.3 dBi
23 GHz		
Dia.	Gain (Nominal) Plane Polarized	Gain (Nominal) Dual Polarized
1'	35.1 dBi	34.9 dBi
1.5'	37.2 dBi	37.0 dBi
2'	40.2 dBi	40.0 dBi
3'	43.7 dBi	43.5 dBi
4'	46.2 dBi	46.0 dBi

Airborne



BAO Antenna

- Blade Omni-directional for transmit from an airborne platform
- 4 dBi gain
- Standard Bands:
  1.71 to 1.85 GHz
  2.20 to 2.30 GHz
  2.30 to 2.40 GHz
  2.30 to 2.50 GHz
  2.40 to 2.50 GHz
  4.50 to 5.00 GHz
- Withstands extreme shock & vibration

QHO Antenna

- Quad Helix Omni for transmit or receive from an airborne platform
- 4 dBi gain
- Available Bands:
  1.70 to 1.90 GHz
  1.98 to 2.11 GHz
  2.40 to 2.50 GHz
  2.30 to 2.50 GHz
  3.40 to 3.60 GHz
  4.80 to 5.10 GHz
  6.40 to 6.60 GHz
- Circular Polarization

SkyLink

- High-Definition airborne Antenna system
- Azimuth and Elevation Steering
- Internal heading & altitude sensor
- High gain & low multi-path pattern
- Full-duplex Tx/Rx option
- Wide Range of STC Mounts
- Compatible with Troll C-100 Antenna Control System and STRATA Portable Transmitters

Button Transponder

- Omni-directional
- 5.4 to 5.9, 5.4 to 9.6 GHz
- 6 dBi
- Vertical Polarization

SkyLink DP

- Deployable Omni Antenna
- 1.7GHz to 15GHz (specified)
- 2dBi / 4dBi / 6dBi nominal gains
- LCP / RCP / Vertical Polarization

Mini Portable

Low Profile Di-Pole

- 1.24 to 1.34 GHz
  2.38 to 2.61 GHz
- 2 dBi gain
- Omnidirectional

Hand

Hand Held Helical

- Portable ENG or Outside Broadcast
- Frequency/Gain
  2.0 to 2.5 GHz @10 dBi
  4.4 to 5.0 GHz @13 dBi
  4.4 to 5.0 GHz @15 dBi
  4.4 to 5.0 GHz @18 dBi
  6.4 to 7.1 GHz @10 dBi
- Circular polarization

LINK Portables

High Gain Antenna (L3601)

- 1.95 to 2.8 GHz
- 15 dBi
- 40" (1 meter) length
  1.9" (48mm) diameter
- 20° horizontal/vertical beamwidth
- Clockwise Circular polarization

Vehicle Transmit Antenna (L3511)

- For ground based reception
- 1.95 to 2.7 GHz (L3512)
  3.3 to 3.7 GHz (L3512)
  6.0 to 7.5 GHz (L3512)
- 3 dBi gain
- Vertical polarization
- Beamwidth:
  76° vertical beamwidth
  20° degree upward tilt
  Horizontal – omni
- 2.2" (55mm) height

Up / Down Antenna (L3603)

- Transmit or receive antenna for air to ground, ground to air, or mobile to airborne links
- 1.7 to 2.8 GHz (L3603)
  3.3 to 3.7 GHz (L3610)
- 8 dBi gain
- 3.2" (80mm) Height/Width
- Clockwise circular polarization
- 85° beam width

Diversity Antenna

- Ideal for large airborne coverage for diversity receive systems
- Four L3603 or L3610 Antenna Mounts

Short Receive Antenna (L3520/3522)

- Omni directional
- 3 dBi gain

Model No.	Frequency (GHz).	Length (mm)
L3520	1.95 to 2.7	120
L3522	1.95 to 2.7	120
L3530	3.30 to 3.7	120
L3535	6.00 to 7.5	85

- Vertical Polarization
- Beamwidth:
  - 76° vertical
  - Horizontal – omni
- Model L3520 (white)
  Model L3522 (black)

"Spring" Mount Antenna

- Omni directional for complete freedom of movement
- 3 dBi

Model No.	Frequency (GHz).	Length (mm)
L3421	1.95 to 2.7	280
L3423	1.95 to 2.7	450
L3430	3.30 to 3.7	280
L3435	6.00 to 7.5	280

- High active element
- Vertical Polarization
- Beamwidth -
  Vertical – 76° vertical
  - Horizontal – omni

180 Degree Receive Antenna (L3480)

- Ideal for stadium or area coverage
- Frequency:
  1.95 to 2.7 GHz (L3480)
  3.4 to 3.7 GHz (L3485)
- 6 dBi
- Vertical polarization
- Beamwidth
  - 76° Vertical
- - 170° Horizontal
- Height - 90mm
  Width - 40mm
  Depth - 65mm

High Gain Sector Antenna (L3800)

- 2.15 to 2.7 GHz
  Polarization: Vertical
  Connector: N-type
- X-Pol Rejection: 25 dB
- F/B Ratio: >25 dB
- VSWR: 1:5:1

80 Degree Receive Antenna

- Frequency:
  3.3 to 3.7 GHz (L3485)
  6.0 to 7.5 GHz (L3490)
- Gain: 9 dBi
- Height: 76mm
  Width: 95mm
  Depth: 65mm
- Polarization: Vertical
- Beamwidths:
  Horizontal: 80°
  Vertical: 80°

Model No.	Gain (dBi)	Azimuth BW (–3dB)	Elevation BW (–3dB)	HxWxD (mm)
L3801	14.5	60°	16°	650x216x100
L3802	17.5	60°	8°	1050x216x100
L3803	13.0	90°	16°	650x216x100
L3804	16.0	90°	8°	1050x216x100
L3805	11.0	120°	16°	650x216x100
L3806	14.0	120°	8°	1050x216x100
L3807	10.0	180°	16°	650x216x100
L3808	13.0	180°	8°	1050x216x100

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