



VISLINK

At the heart of the action.



V-Link Datasheet

V-Link Series Beam Forming Airborne Antenna Systems

Aerial Downlink Solution

Live Sports

ENG



The V-Link Series of beam forming auto-tracking antenna systems are specifically designed for airborne applications where a low-profile array is required. It provides superior directional performance when used in conjunction with other components of the Vislink Airborne Video Downlink System.

The V-Link Series was developed to deliver industry-leading reliability and features co-centered vertical polarized beams, steered together to point in one of 8-16 azimuth directions.

Designed for the rigors and vibration of airborne use, the antenna contains no moving parts, unlike older kinetic designs that rely on pulleys, belts, and other components that are subject to expensive wear from general use, friction and vibration.

The V-Link Series is extremely effective, as it is comprised of multi-tier antenna panels symmetrically arranged to create maximum coverage, even during aircraft banking. This specific arrangement and design make the antenna optimally compact and ensures rapid handoff and seamless changeover as the beam progresses around the array. With simplified control and user interface, beam energy is automatically directed toward desired entered target sites as the aircraft moves or when a change in signal direction is commanded. To achieve maximum interoperability with leading mission systems, Vlink8A-875 has been integrated to operate with Churchill and AeroComputers control.

Features

- Processor controlled beam-forming technology
- Superior range
- Integrated down look antenna
- Lightweight & aerodynamic
- Low profile design
- Programmable RX tracking
- Internal GPS or compatible with external GPS antenna

Typical Applications

- Law Enforcement
- Event Coverage
- Newsgathering
- Sports Coverage
- Ship-to-Shore
- ISR (Military and LE)
- First Responders



VISLINK

E: sales@vislink.com

T: +1 908 852 3700 / + 44 1442 431300

Learn more at www.vislink.com

Model	Frequency	Panels	Gain
VLink-825	2.0 - 2.5	8	11
VLink-1625	2.0 - 2.5	16	14
VLink-847	4.4 - 5.0	8	11
Vlink-865	6.4 - 6.7	8	11

V-Link

Specifications

Beamwidth

- 45° Azimuth
- 35° Elevation

Polarization

Vertical or RHCP

Return Loss

14db

Power Input

20Watt

System

Voltage Input

8-30VDC (Aircraft Power)

Power Consumption

6 Watts

Power and Control Connector

- 19 pin circular
- KPT07A14-19P

GPS

Internal or with external antenna

Connectors

RF Input

N- Female

GPS Antenna

TNC Female

Power and Control Connector

- 19 pin circular
- KPT07A14-19P

Control

Direct

- Pro-Term Handheld
- Terminal emulator (PuTTY)

Controller

DZUS RU

Programmable

- Waypoints
- Closest RX
- Selected target RX

3rd Party

- Churchill
- Aero Computers



V-Link

Environmental

Full specification

10° to +50°C Ambient

Storage

40° to +80°C

Humidity

0 to 85% non-condensing

Physical Characteristics

Size

Variant Dependent

Weight

Variant Dependent

Radome

Fiberglass

Mounting

- Meeker Mount Footprint
- Optional - Custom

