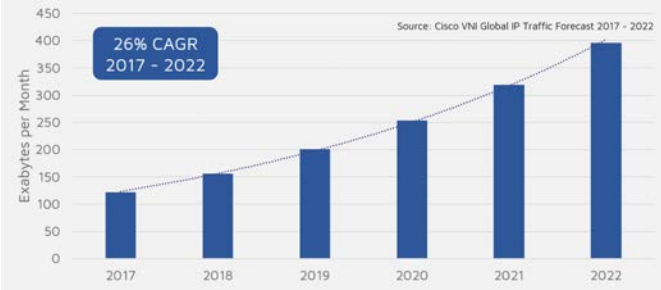
VISLINK
At the heart of the action

BRIDGING THE CONNECTIVITY GAP WITH VISLINK AIRPRO75 KA

World business and entertainment is putting an ever-greater reliance on global connectivity – driving the growth in IP data traffic and the monetary value of the data that the traffic contains.

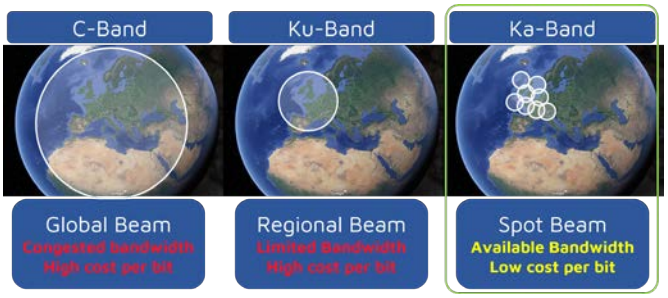
Latest research indicates that economies are consuming 200 Exabytes of data per month across global connectivity and that consumption is expected to continue grow at a rate of over 25% per year. But there is a problem – despite the increasing global rollout of fiber, IP access is not yet ubiquitous – access to the internet through a wired or cellular network cannot be guaranteed. Satellite access seeks to fill the connectivity gap.

IP data traffic has grown enormously And continues to grow…



SATELLITE AVAILABILITY

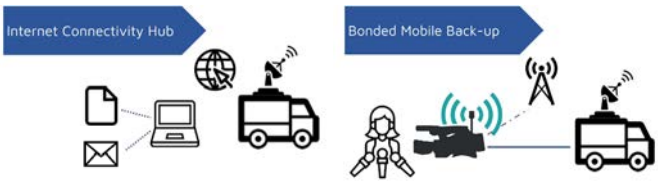
Satellite transmission has been filling the connectivity gap for decades for many forms of global communication with "five – nines" guaranteed service availability. C-band trans-continental services and Ku-band regional services are well proven, but transponder space is costly and heavily congested. More recently there has been heavy investment into Ka-band systems. Their use of a higher frequency band and spot beam systems creates more free bandwidth to offer greater capacity – at an affordable rate.



CONNECT ANYWHERE FLEXIBILITY

Through Ka-band satellite data terminals, operators on the move can gain access to global network IP infrastructure. These satellite data terminals can support a wide range of applications ranging from live video streaming or filing of compiled video packages.

The satellite terminal can also act as bi-directional internet connectivity hub providing high bandwidth core communications from any location.



Ka-band satellite technology can be utilized to augment widely used bonded mobile systems – providing a high-availability backup for occasions when mobile network access is not present – for example; when operating in more remote geographies or in highly populated locations where mobile networks may be highly contented.

LOW OPEX OPERATION

Ka-band satellite networks operate on a different pricing system to the traditional MHz bandwidth leasing model of Ku or C-band satellites. Ka-band systems favor a consumed data model – with data allowances sold in advance of usage.
For typical occasional use, on-demand applications, Ka-band systems can offer a significant operational cost benefit – delivering a service for almost half the cost.

AirPro75 Ka Delivers Reduced Cost of Ownership

Ku band system

Typical satellite lease cost
•$2000/MHz per month

Typical cost per 1hr HD uplink job

$400

Based on:
6Mhz @ 4.4MSym/s, DVB-S2, 8PSK, 2/3, 8.7Mbit/s
($2000 x 6MHz) / 30 days

Ka band system

Typical data bundle cost
•$60 per 1Gb

Typical cost per 1hr HD uplink job

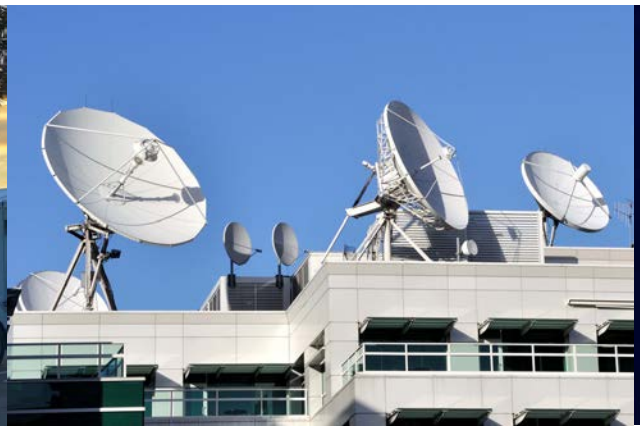
$235

Based on:
$60 per Gigabyte x 1hr of 8.7Mbit/s

THE VISLINK AIRPRO75 KA SATELLITE TERMINAL

In order to enable access to Ka-band satellite services, Vislink provides the AirPro75 Ka satellite antenna. The Vislink AirPro provides an IP-native bi-directional node for access to global network infrastructure. As a vehicle mounted antenna, robust enough for daily use, the AirPro75 Ka delivers ease of use through a simple single button deploy interface that instigates augmented GPS and digital compass technology to get the user on-air in a matter of minutes.

Vislink enables easy access to Ka-band satellite networks by offering air-time data bundles to its antenna customers. These data bundles ensure high priority data transfer across the satellite network and are sized to match users' applications.



GET IN TOUCH

For more information on any of the products in the Vislink Technologies portfolio please contact: **sales@vislink.com**

International: +44 1442 431 300 | **USA:** +1 978 330 9300