

# MULTI-BAND Flexible broadband

## SERVICE AND SYSTEM BROCHURE



## Transforming Broadband Connectivity

#### Viasat's Network, Terminals, and Services Enhance Air, Land, & Sea Operations in Contested Environments

Whether over challenging terrain, the world's oceans or contested air space, with Viasat's holistic satellite offering, you get a mobile broadband service wherever your mission takes you. Viasat's satellite service and terminals - powered by our global Ka/Ku network, gateways, fiber infrastructure, network and security operations - support a range of missions and CONOPS. Operating over Viasat's Best Available Network (BAN), platforms including ground vehicles, fixed-wing aircraft, helicopters, UAVs, and ships have access to a unique combination of capacity and coverage, and can provide situational awareness to any military formation or government agency.

- > Multi-domain battlespace awareness with a Common Operating Picture (COP)
- > True HD-streaming mobile broadband SATCOM to support and power missions like ISR, enroute C2, SAR, and disaster recovery with real-time full-motion video and live sensor data
- > Integration of widely-used tactical systems, including Link 16 and Battlefield Cyber Operations (BCO)
- Trusted operations, information sharing, and actionable intelligence in Disconnected, Intermittent, and Limited (DIL) bandwidth environments

## At-a-Glance

Anticipating the warfighter's needs and building out technology for future capabilities, Viasat enables leadership and operators to share information anywhere, within moments.

#### Equipping your mission

- > Ku-, Ka-, and dual-band Ku/Ka and Ka/Xa antennas
- > Next-generation modems and waveforms
- Low SWaP terminals that meet platform installation requirements
- > Value-added systems to enhance situational awareness

#### Bandwidth for the most demanding applications

- > ISR with real-time HD video streaming
- > Command & Control
- > Communications On-The-Move
- > Enroute Mission Planning
- > Office-in-the-Sky Voice, Video, & Internet Access
- > MWR, Sensor Backhaul, & Disaster Recovery
- > Multi-INT support for high data throughput missions

#### Service plans shaped to meet mission requirements

- > Basic, Plus, and Premium service plans
- Optional Viasat service including Priority Return Link (PRL),
   Managed Private Service (MPS), and white glove care
- > Annual plans for predictable budget planning
- Monthly plans for short term engagements, exercises, and pilots

#### Worldwide Technical Support

- > 24/7/365 Cyber Defense by Viasat's Security Operations Center
- 24/7/365 Technical Support by Viasat's Government
   Care Center via phone, email, & chat
- > 24/7/365 Network Monitoring by Viasat's Network
   Operation Center
- > TS/SCI FSRs worldwide
- > Ku- and Ka-band network overlays



## The Viasat difference

#### The Network for what's next

Viasat delivers the assured, resilient, cyber-secure, scalable broadband that U.S. and Allied forces need against increasingly sophisticated adversaries.

## Capacity Density

Unlike the typical congested beams of our competitors, Viasat's capacity allows multiple platforms using multi-intelligence sources to operate simultaneously.



## Flexibility

With beams that move where the mission takes you, Viasat's operational capability is never compromised over our high-capacity satellite network.



## Diversity

Where Ka-band is not available, Viasat provides airborne, terrestrial, and maritime platforms with clear, real-time HD streaming and connection over our global Ku network.



## Resilience

Viasat's network is resilient against the toughest attacks including jamming and cyber threats.



## Redundancy

With our diverse ground stations located around the world, users don't have to worry about our network going down if one gateway gets disrupted.

## Service Offerings

From base to objective, Viasat delivers uninterrupted connectivity

Regardless if you are operating close to base or deploying expeditionary forces, Viasat's flexible, high-capacity service empowers platforms in the air, on the ground, and at sea to stay connected. Viasat's BAN takes advantage of Commercial GEO Ku and Ka, Commercial MEO Ka, and Military GEO Ka /X to enable roaming between networks of your choice versus being saddled to a single provider. And Viasat's Hybrid Adaptive Network (HAN) builds off the BAN success by layering together many communications networks of various types into a multi-layered network of networks. Viasat's SATCOM service is more than just forward and return link rates. It is about enabling critical, new operational capabilities.

Ka Service:	Ku Service:
<ul> <li>From a single platform to simultaneous operations (SIMOPS), Viasat is able to set-up service globally with enough capacity to serve multiple platforms in a region</li> <li>Our BAN enables service plans to be customized based on mission needs</li> </ul>	<ul> <li>&gt; Viasat Global Network (VGNet) Ku service plans range from 1 FL/ 0.5 RL Mbps to 10 FL/1-3 RL Mbps</li> <li>&gt; Viasat MPS offers tailored Ku service plans with industry- leading data rates to meet your mission requirements</li> </ul>
<ul> <li>Viasat MPS offers tailored Ka service plans with industry- leading data rates to meet your mission requirements</li> </ul>	

Connect with Viasat's SATCOM & Managed Network experts today to learn about our flexible Ku & Ka service plans gov.satcom@viasat.com

#### Regional, Private In-theater Network Support - Tailored to Your Requirements

From a single aircraft to an entire brigade, Viasat can tailor your service plan with geographic coverage areas and network infrastructure, to suit your CONOPS and SATCOM requirements. For missions concentrated over a specific region, we can stand up private in-theater networks that offer exclusive bandwidth via a service level agreement. With any regional or private network plan, worldwide shared-access network service is also available if your mission requires it.

#### Service Plans with Options for Advanced Connectivity and Performance

Viasat's network offers tiered levels of service to provide VIP and senior leaders with connectivity to SIPR, NIPR, and public networks. Service plans are structured to address common use cases allowing customers to select desired range of connectivity and

performance levels.

- > Multiprotocol Label Switching (MPLS): Dedicated terrestrial backhaul
- White Glove Care: Direct access (phone, email, chat) to mission dedicated, Secret cleared, Tier 3 technician manning a Government Care Center that operates 24/7/365
- > Priority Return Link: Provides improved return link throughput via reserved bandwidth, where available in enabled regions
- > Through the Blades Broadband: Enhanced point-to-point Ka connectivity for rotary wing platforms
- > Viasat's Unified Portal: Changing how modern missions are planned, monitored, and debriefed

#### Viasat Support Services

Whether around the globe, or around the clock, for a network operation or in-country field service, our experienced personnel are available to help your mission succeed and provide essential technical support. Viasat has established a robust, tiered organizational structure - including TS/SCI - cleared Field Service Representatives deployed worldwide - to provide services, support customer operations, or resolve issues.

## Global Coverage

Understanding the need to stay connected no matter where the mission takes you, Viasat expands the horizons of platforms, on the world's highest capacity network.





Managed Private Service Ku/Ka coverage not shown

## Hardware Offerings

#### Enabling unprecedented connectivity and capacity

- > Flexible terminal architecture, operating over multiple networks and modems
- > Leverage commercial innovation and mature, fully operational terminals
- > Easy to use terminals that are backwards compatible with existing, fielded solutions
- > Delivering the fastest data speeds to support multiple simultaneous HD video streams
- > Operate over our Best Available Network Commercial GEO Ku and Ka, Commercial MEO Ka, and Military GEO Ka /X
- > Aerial, Fixed, Maritime, Nomadic, Comms on the Move terminals available

#### **Terminal Options**



#### VMT-1220LA

Operating Band	Ku, Ka ( Comm. & MIL)
Effective Size	12"
Terminal Power	480 W
Terminal Weight	37.5 lb.
Domain	Air



#### VMT-1820

Operating Band	Ku
Effective Size	18"
Terminal Power	480 W
Terminal Weight	42.0 lb.
Domain	Air



#### VMT-1220HE

<b>Operating Band</b>	Ku & Ka
Effective Size	12"
Terminal Power	476 W
Terminal Weight	55.5 lb.
Domain	Air, Rotary-Wing



### GAT-5518

Operating Band	Ka (Full Comm. & MIL)
Effective Size	18"
3rd Party Modem Support	Yes
Terminal Power	645 W
Terminal Weight	59.9 lb
Domain	Air



#### GAT-5510

Operating Band	Ka (Full Comm. & MIL)
Effective Size	12"
3rd Party Modem Support	Yes
Terminal Power	645 W
Terminal Weight	51.3 lb.
Domain	Air



#### GAT-5530

Operating Band	Ku & Ka (Full Comm. & MIL)
Equivalent Circular Diameter	15"
3rd Party Modem Support	Yes
Terminal Power	645 W
Terminal Weight	190.6 lb.
Domain	Air



### BAT-600 (MMT)

Operating Band	Ku, Ka ( Full Comm. & MIL), & X
Effective Size	60 cm
3rd Party Modem Support	Yes
Terminal Power	135 W
Terminal Weight	47.5 lb.
Domain	Land
Terminal Weight	47.5 lb.



## GMT-6514

Operating Band	Ku & Ka (Full Comm. & MIL)
Effective Size	72 cm
Terminal Power	TBD
Terminal Weight	135 lb.
Domain	Sea



### GMT-6524

Operating Band	Ku & Ka ( Full Comm. & MIL)
Effective Size	1 m
Terminal Power	200W
Terminal Weight	350 lb.
Domain	Sea



## DUAL-BAND SOLUTION

Operating Band	Ku & Ka
Effective Size	12"
3rd Party Modem Support	Yes
Terminal Power	350 W
Terminal Weight	62.4 lb.
Domain	Air



#### LMT-7611

Operating Band	Ки
Effective Size	L 35.5 in. × W 35.5 in. x H 4.3 in.
3rd Party Modem Support	Yes
Terminal Power	450 W
Terminal Weight	55 lb.
Domain	Land

Viasat is proud to deliver antennas, modems & terminals that pass industry tests and meet the following certifications:

- > ARSTRAT Certified/Certifiable for WGS operation
- > DO-160
- > MAC
- > MIL-STD

### CONTACT

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