

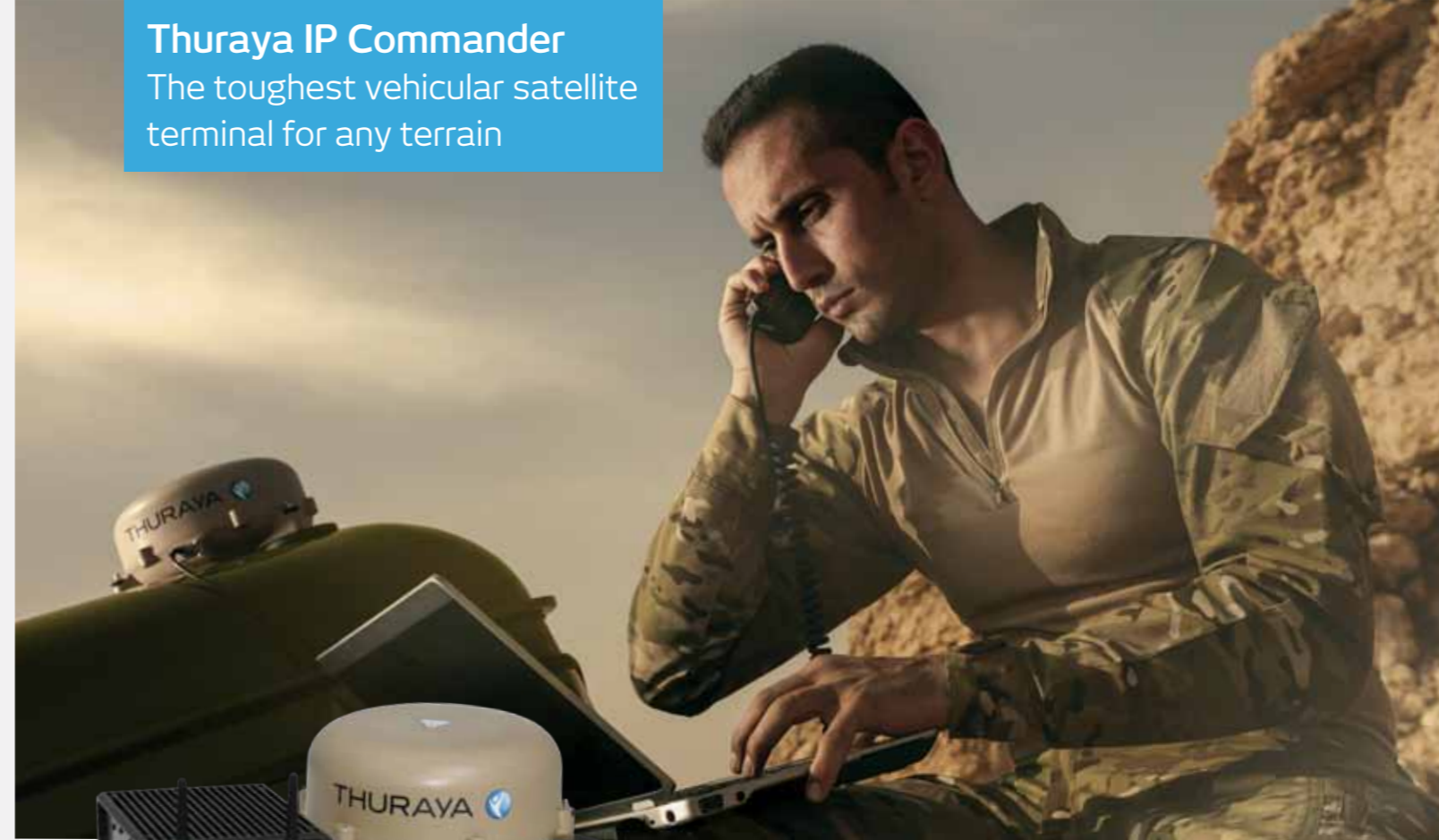
THURAYA 

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## Thuraya IP Commander

The toughest vehicular satellite terminal for any terrain



THURAYA   
GOVERNMENTCOMMS



## Thuraya IP Commander



For communications-on-the-move (COTM) and connectivity in the harshest terrains, there is only one choice: Thuraya IP Commander. It is a uniquely designed, ruggedized terminal with a MIL-SPEC feature set that has been engineered to enable mission-critical voice and data connectivity in the most extreme conditions.

Simple, quick and easy-to-install on any vehicle, data and voice connectivity can be achieved within minutes, providing reliable broadband access within locations covered by Thuraya's satellite network that covers the global strategic hot zones.

IP Commander is ideal for military, government and civil defense applications. It facilitates vital communications at high speeds, essential for C4ISR, blue-force tracking, logistic management and tactical command. Offering IP data speeds of up to 444kbps, it is the only MIL-SPEC vehicular terminal capable of achieving streaming IP speeds of up to 384kbps as well as user-definable asymmetric streaming functionality.



## Thuraya IP Commander



The MIL-SPEC terminal connectors and chassis allow it to withstand the toughest physical conditions, including protection from dust and water. The package includes a rugged voice handset that offers clear and uninterrupted voice connectivity across Thuraya's satellite network.

IP Commander enables mission-effective operations. It facilitates secure and reliable real-time two-way communications for effective communication between HQ command and deployed units. IP Commander is easily integrated with Thuraya-certified solutions, such as video surveillance, video conferencing and TETRA over IP. It also enables connectivity and interoperability over a wide range of communication platforms, providing network access, email/file transfer as well as supporting secure communications using standard government-approved IP encryption devices.

# Features



## *Solid and dependable*

Thuraya IP Commander is purpose-built for use in vehicles. The satellite terminal has MIL-SPEC connectors and a chassis that is able to withstand the harshest treatment.

## *Easy installation*

Thuraya IP Commander is built for comms-on-the-move and can be easily installed on any vehicle. The antenna with its magnetic feet can be fitted in seconds and vehicular satellite unit has simple plug-and-play features that enable a swift mission deployment. It can also be transitioned into fixed installation scenarios in minutes, suiting applications in military encampments and emergency response sites.

## *Voice and IP*

The terminal boasts a robust voice handset that offers clear and uninterrupted voice connectivity across Thuraya's highly reliable voice network. Our data network offers IP broadband speeds of up to 444kbps whilst on the move or on the pause.

## *High-speed streaming capabilities*

Thuraya IP Commander is the only ruggedized terminal in the market capable of achieving streaming IP speeds of up to 384kbps.

## *Asymmetric streaming*

Thuraya is the first mobile satellite services operator to provide asymmetric streaming capabilities for all our broadband devices. Thuraya IP Commander can be configured to allow users to manage their upload and download speeds to match their usage and ensure significant savings.

## *Unlimited data usage*

With the IP Unlimited data plan, users can conduct all field operations, including video conferences, file transfers and other high-bandwidth applications at a fixed monthly rate, with no additional costs.





## Solutions



Thuraya understands that the key to a great solution is not simply the network, the terminal nor the software package. It is the integration of all of these elements to create a holistic solution that combines our partners' software expertise with our delivery of services.

Thuraya and its partners provide solutions that solve problems for remote users. Typical solutions include video surveillance, encrypted communications and instant messaging.


Thuraya IP Commander is ideal for mission-critical operations where rapid response is of the essence, helping to save lives and facilitate operations in the field.

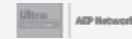
# Product Applications



## Encryption


- Use encryptors to guarantee the confidentiality, integrity and authentication of your mission critical data
- Sector: Government

• Solution: 



## PTT (Push to Talk) or RoIP (Radio over IP)

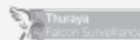
- Use voice devices such as radio and TETRA to transmit to closed user groups
- Sector: Government and Energy

• Solution: 



## Video surveillance


- Use video surveillance coupled with IP streaming services to provide real-time high quality video during border patrol or monitoring operations
- Sector: Government and Energy

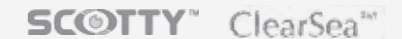
• Solution: 



## Video conferencing

- Use video conferencing to provide mission updates, meetings and situational awareness
- Sector: Government and Energy

• Solution: 



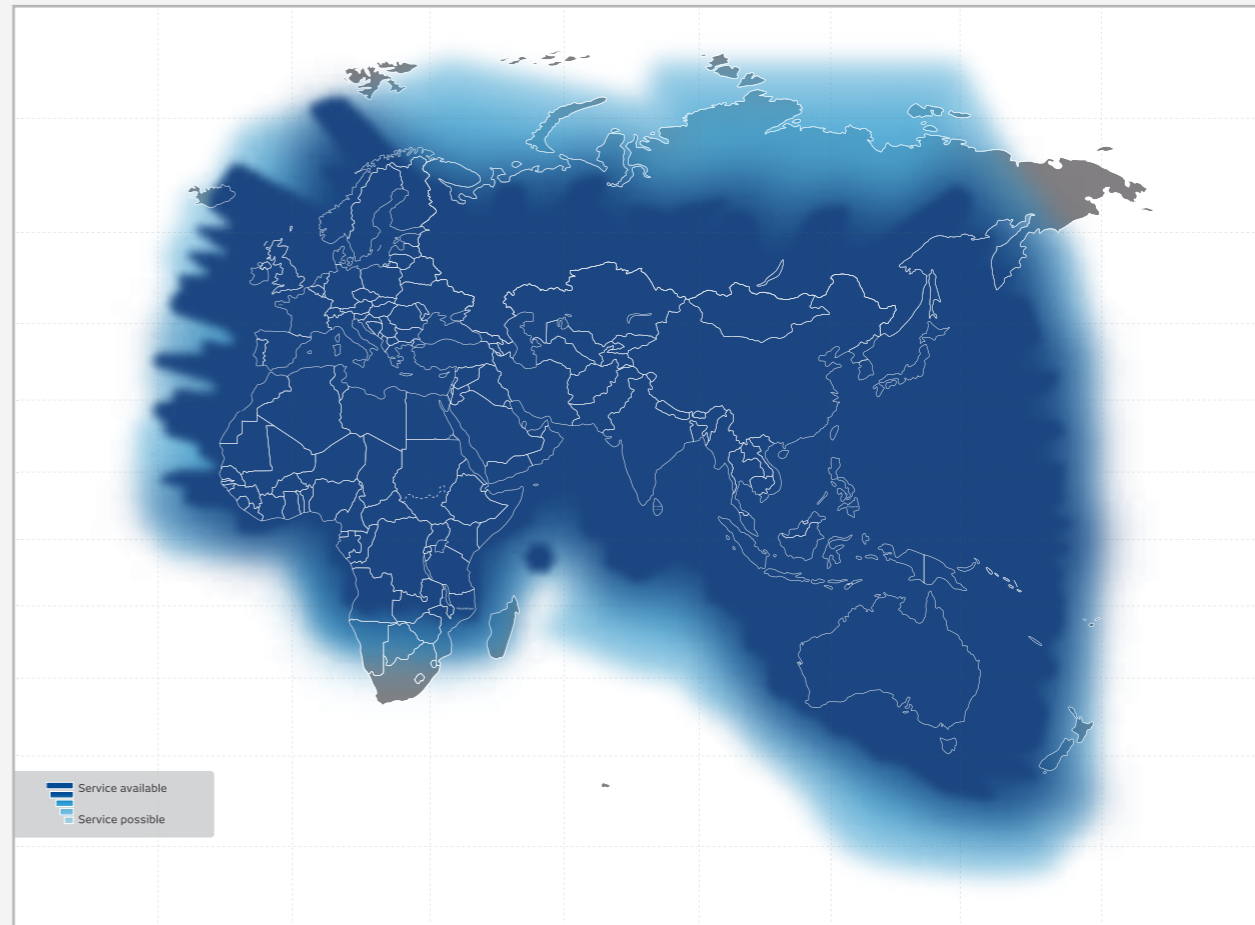
# Thuraya's Coverage Area

*Thuraya IP Commander enables you to stay connected and communicate via satellite across Thuraya's footprint, which extends across 160 countries in Asia, Australia, Africa, the Middle East and Europe.*

*Thuraya's network automatically re-allocates network resource to any single spot beam, allowing Thuraya IP Commander users to have uninterrupted connectivity on-the-move beyond the reach of terrestrial communications and cellular networks.*

*Wherever your mission takes you, Thuraya IP Commander provides the advantage of reliable satellite communications even in the harshest environments and most remote locations.*

*Thuraya IP Commander provides you with assured communications, no matter where you are.*



This map represents Thuraya expectations of coverage. For further information, please contact Thuraya Customer Care at [customer.care@thuraya.com](mailto:customer.care@thuraya.com) or visit [www.thuraya.com](http://www.thuraya.com)

# Technical Specifications

TECHNICAL SPECIFICATIONS	
<i>Data rates:</i>	<i>Standard IP up to 444kbps, Streaming IP up to 384kbps</i>
<i>Connectors:</i>	<i>1 x Ethernet, 1 Voice</i>
<i>WLAN connectivity:</i>	<i>IEEE 802.11 b/g/n with WPA2 encryption</i>
Satellite Terminal	
<i>Dimensions:</i>	<i>71mm x 152mm x 313mm (HxWxD)</i>
<i>Weight:</i>	<i>2.9 kg</i>
<i>Main power input:</i>	<i>12-24V DC</i>
<i>Mechanical vibration:</i>	<i>MIL-STD-810G and MIL-STD-202G</i>
Antenna	
<i>Weight:</i>	<i>2.0 kg</i>
<i>Dimensions:</i>	<i>252mm x 119mm</i>
<i>IP rating:</i>	<i>IP66</i>
Package includes	
<i>Thuraya IP Commander terminal</i>	
<i>Tracking antenna, 6meter RF cable, Power cable, Magnetic mounts</i>	
<i>User Guide and Installation Guide</i>	

## Key Benefits

- MIL-SPEC ruggedized satellite terminal with tracking antenna
- Easy to install
- Voice (Circuit-switched)
- IP data up to 444kbps
- High-speed streaming IP speeds up to 384kbps
- Asymmetric streaming
- Secure Wi-Fi access point
- Unlimited data usage