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FACTSHEET

BGAN Video Streaming Solutions from Stratos

Guaranteed Video Streaming: X-Stream (384 kbps), 256 kbps, 176 kbps

High quality video can now be delivered back to the studio when broadcasting remotely with a range of BGAN streaming services from Stratos. Using their current hardware, customers can establish a higher quality live link quicker than ever before, from wherever the story is breaking.

BGAN X-Stream

BGAN X-Stream is a premium service with a guaranteed minimum video streaming rate of 384 kbps with speeds up to 460 kbps being common.

BGAN X-Stream delivers live mobile satellite video without the compromise of pixilation, overly compressed audio and key frame freezing. At 384k+, BGAN X-Stream delivers richer, smoother video comparable to the rest of the broadcaster's output; video that's easy on the eyes, putting the story and not the medium on viewers' screens.

BGAN 256 kbps

The original workhorse of Tier I media organizations, 256kbps delivers broadcast quality video streaming from lightweight, portable and rapidly deployable BGAN devices. While not offering SD comparable video like BGAN X-Stream, 256 kbps offers a reliable and presentable video solution, most suited to interviewing and limited motion shots.

BGAN 176 kbps

The 176 service is aimed at Tier II (now termed *Key Broadcasters* by Inmarsat) and regional broadcasters as well as affiliate stations. Sitting at a lower price point than the premium X-Stream and 256kbps services, it offers an affordable solution especially suited for 'talking head' usage. It works great with the new generation of lower-cost software based video codec solutions.

BGAN Streaming Features

- **Fastest Video Streaming Speeds** - Available via satellite using a highly compact, portable, battery powered terminal
- **Near 'Big Dish' Quality Video** - Delivered back to the studio from a single rugged terminal

with an A4 footprint (via BGAN X-Stream)

- **No Additional Hardware Required** - Use existing terminals (note: HNS 9201 or EXPLORER™ 700 BGAN terminal required for BGAN X-Stream, 176 kbps and 256 kbps)
- **Utilizes Existing SIM Cards** - Use standard BGAN SIM cards
- **Most Advanced Satellite Network** - Inmarsat's I-4 satellite network is the most advanced constellation in the world providing exceptional performance and capability
- **Easily Deployable** - Enables rapid response time via a lightweight broadcast-quality solution with much lower cost than SNG trucks
- **Highly Compatible** - Tested and configured to work with the leading professional video applications and codecs including Clipway, Streambox, Quicklink, Livewire and Vpoint.



The Stratos Advantage

To make your BGAN even more productive and cost effective, Stratos delivers a full portfolio of value-added services and support collectively known as The Stratos Advantage.

GuaranteedAccess - Customers can achieve guaranteed, end-to-end bandwidth for time-critical data by using Stratos GuaranteedAccess, which extends guaranteed bandwidth to the terrestrial infrastructure via ISDN or leased lines right to the studio. Customers should confirm that last-mile connectivity supports BGAN X-Stream.

IP Access Options – Stratos' value-added infrastructure lets customers benefit from all types of Internet and network access via public, private, static, and dynamic IP addresses.

Stratos Dashboard™ for BGAN

Stratos Dashboard provides real-time information on voice and data traffic so customers can stay informed and manage the entire BGAN user base. Dashboard makes it easy to handle:

- **Online Provisioning** – Easily and quickly activate/deactivate, suspend/unsuspend, and make any changes to SIM cards, special IP addresses, and other services, plus review current contracts and installed base
- **Monitoring Traffic and Usage** – Eliminate billing surprises using near real-time information on the amount of traffic used for voice and data and the associated costs
- **Billing and Reporting** – Monthly invoices can be downloaded immediately in PDF, D91 and CSV formats and exported to Excel or TXT format for additional processing
- **Credit Control** – Limit credit risk by setting individual and group SIM credit limits, alerts, and automatic suspension features
- **Controlled Access** – Multiple access levels let customers offer and control access to usage info, with or without pricing, by the user base
- **Firewall Management** – Customer-managed personal firewall between the Internet and the BGAN network with a user-friendly online interface that lets you authorize or block web traffic and applications

Global Network and Terrestrial Delivery Options

The StratosNexus™ network infrastructure has been upgraded to a fully IP-based system supporting a full range of advanced value-added services, including end-to-end streaming, personal firewalls and satellite-optimized data compression. Stratos' extensive global Internet PoP and enhanced terrestrial core network ensure fast delivery of data traffic once it hits the ground. Using a dedicated point-to-point leased line and ISDN connections for a reliable last-mile solution, customers can bring mobile satellite traffic from the field to headquarters in the most reliable and secure manner.

Service and Support Worldwide

Stratos customers have access to a 24/7 International Customer Service Center. With this single point of contact for all service and support requirements, customers can contact experienced service professionals any time for help on technical or billing issues. And Stratos' global network of local offices can provide on-site support when needed.

BGAN from Stratos

BGAN is the first mobile communications service to deliver simultaneous voice and broadband data globally through a single portable device. BGAN is also first to offer guaranteed data rates on demand. With BGAN from Stratos, customers can set up a mobile office anywhere in only a few minutes.

BGAN from Stratos Features

- **Standard IP** – High-speed wireless IP data up to 492 kbps (shared capacity)
- **Streaming IP** – Guaranteed minimum data rates up to 384+ kbps on demand
- **ISDN** – 64 kbps ISDN
- **Voice** – Low-speed 4.8 kbps, toll-quality circuit-switched voice
- **SMS** – Send/receive messages up to 160 characters
- **Video Capabilities** – Video conferencing, broadcast, store and forward
- **Supplementary Services** – Supports call hold, call waiting, call forwarding, SMS, and voicemail
- **Terminal Options** – Extensive range of small, lightweight terminals with convenient accessories
- **BGAN Launch Pad** – Software providing a standard user interface across all BGAN terminals, with a direct link to Stratos Dashboard
- **Security** – Secure access to corporate VPNs, all major encryption standards supported
- **Worldwide Coverage** – Utilizing Inmarsat's I-4 satellite constellation

About Stratos

Stratos is the world's trusted leader for vital communications. With more than a century of service, Stratos offers the most powerful and extensive portfolio of remote communications solutions including mobile and fixed satellite and microwave services. More than 20,000 customers use Stratos products and industry-leading value-added services to optimize communications performance. Stratos serves U.S. and international government, military, first responder, NGO, oil and gas, industrial, maritime, aeronautical, enterprise, and media users on seven continents and across the world's oceans. Stratos is a wholly owned subsidiary of Inmarsat plc. For more information please visit www.stratosglobal.com.

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