

NovelSat
Making Space in Space

**Breaking barriers
in satellite efficiency**
卫星传输效率的新突破



NovelSat Professional Satellite Modem Series

All NovelSat products share a full set of unique features including support for DVB-S, DVB-S2/X standards and full interoperability with all other NovelSat products.



NovelSat NS3000 Professional High-Data Rate Satellite Modem

- 64Kbps to 2x425Mbps industry-leading data rate
- Highest performance and efficiency at all data rates
- The most complete feature set: ACM, AUPC, QOS, Packet Compression...
- Highest efficiency in the market: Up to 64APSK, NovelSat DUET CeC, DDC...
- Feature-rich IP processing enhancements
- Point-To-Point and Point-to-Multipoint link support



NovelSat NS300 Professional Satellite Modem

- 64Kbps to 2x30Mbps data rate
- Highest efficiency at lower data rates
- Same high-end features as NovelSat NS3000 modem
- Software-based NovelSat DUET CeC
- Feature-rich IP processing enhancements

NovelSat 专业卫星调制解调器

NovelSat所有产品共享独特功能包括 DVB-S, DVB-S2/X 标准和与NovelSat 其他产品的完全互通性。



NovelSat NS3000高数据率的卫星调制解调器

- 64Kbps - 2x425Mbps 行业领先数据率
- 高性能&高效率
- 最完整功能的设置: ACM, AUPC, QOS, Packet Compression...
- 市场上最高效率: 高达 64APSK, NovelSat DUET CeC, DDC...
- 功能丰富的IP处理技术
- 支持点对点, 点对多点的链路



NovelSat NS300 专业卫星调制解调器

- 64Kbps - 2x30Mbps数据率
- 低速率, 高性能
- 高端功能与NS3000一样
- 基于软件的Novelsat DUET CeC (载波叠加技术)
- 功能丰富的IP处理技术

NovelSat Satellite Modulators & Demodulators



NovelSat NS1000 Satellite Modulator NovelSat NS2000 Satellite Demodulator

- Chosen to deliver the 4K Ultra HD live satellite broadcast of FIFA World Cup
- Up to 425Mbps data rate
- Superior resilience for jamming, interference, weather fluctuations and phase noise
- The most complete feature set: ACM, AUPC, DDC...
- Dual channel – Combined Ethernet & ASI streaming
- Thousands of deployments worldwide

Waveforms	Efficiency Enhancements
DVB-S DVB-S with 5% ROF DVB-DSNG DVB-CID DVB-S2 DVB-S2 with 5% ROF DVB-S2X NovelSat NS3 NovelSat NS4	NovelSat DUET CeC ACM AUPC DDC
Modulations	IP Processing Enhancements
QPSK 8PSK 16APSK 32APSK 64APSK	Advanced QoS VLAN switching NSPE™ IP Encapsulation IP Transparent Bridging Layer 3 Routing Wan Acceleration

NovelSat 卫星调制器和解调器



NovelSat NS1000 卫星调制器 NovelSat NS2000 卫星解调器

- 被FIFA世界杯选中并用于传输4K超高清直播
- 高达425Mbps数据速率
- 对于干扰、天气变动和相位噪声有超强的抗干扰能力
- 最完整的功能设置: ACM, AUPC, DDC...
- 双通道- 结合了 Ethernet & ASI streaming
- 全球成千上万的应用

波形	提高的效率
DVB-S DVB-S with 5% ROF DVB-DSNG DVB-CID DVB-S2 DVB-S2 with 5% ROF DVB-S2X NovelSat NS3 NovelSat NS4	NovelSat DUET CeC ACM AUPC DDC
调制方式	IP 处理的改进
QPSK 8PSK 16APSK 32APSK 64APSK	Advanced QoS VLAN switching NSPE™ IP Encapsulation IP Transparent Bridging Layer 3 Routing Wan Acceleration



For more information about NovelSat and the most scalable, resilient high-efficiency satellite communication solutions, contact us.

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