



M2sat SNGlight TakeAway

*The worlds fastest mobile Satellite News Gathering System
via Thuraya satellite*



The M2sat SNGlight is the fastest TakeAway Satellite News Gathering units with a broadband capability of 384 kbps. Carried by hand, it can be rapidly deployed and operated by a single person.

The M2sat SNGlight provides reporters with a versatile, compact package for live reporting, reporters can create the in-depth, background story line on the spot and then send it back to the newsroom. Just plug in your laptop, microphone and camera. The SNGlight can transmit live audio and video as well as in store and forward mode, from anywhere within the Thuraya footprint, covering Europe, North and Central Africa, the Middle East, Central Asia and India, and complete Asia from 2008.

Features and Capabilities

The SNGlight is a portable satellite terminal with built-in video codec for high quality video, audio and data transmission via the Thuraya satellite system. The key features and capabilities are:

- Transmit and receive data rates up to 384 kbps via Thuraya satellite(s).
- Standard in- and outputs for camera, monitor and audio equipment, e.g. for live video transmission and video conferencing.
- Ethernet port for IP data transmission, e.g. video store&forward file transfer.
- Ruggedized design with hard case and shower proof antenna unit.
- Terminal deployment within 5 minutes. Easy operation using a keypad and display at the terminal or a PC/notebook with standard Web browser.
- ISDN and high speed Internet connectivity from gateway to terrestrial destination.
- AC, DC and dual power supply options.



Technical Data

Transmission Speeds

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|----------|----------------|
| Transmit | up to 384 kbps |
| Receive | up to 384 kbps |

RF Characteristics

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|--------------------------|---------------------|
| Transmit frequency range | 1626.0 – 1660.5 MHz |
| Receive frequency range | 1524.5 – 1559.0 MHz |
| EIRP | 15 dBW max. |

Built-in Video Codec

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|-----------------------|---|
| Model | Tandberg Codec |
| Video standards | H.261, H.263, H.263+, H.263++, H.264 |
| Video formats | NTSC, PAL |
| Live video resolution | NTSC: 4SIF (704x480), PAL: 4CIF (704x576) |
| Frame rate | 30 frames / sec at 384 kbps transmission speed |
| Video inputs | Composite video (BNC Connector) and S-Video (MiniDin Connector) |
| Video outputs | Composite (BNC Connector) and S-Video (MiniDin Conn.) |
| Audio standards | G.711, G.722, G.722.1, G.728 |
| Audio inputs | 2 x microphone, 24 V phantom powered (XLR Connector) Line level in (BNC Connector) |
| Audio outputs | 2 x Line level out (BNC Connectors) |
| Encryptor support | NATO standard KG194/KIV-7 Embedded encryption H.233, H.234, H.235, DES and AES standards based |

Data Interfaces

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|----------|---|
| LAN / IP | 2 Ethernet ports (10 Base-T, RJ-45 sockets) |
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Terminal Control

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|---------|--------------------------|
| Local | Keypad with LCD display. |
| From PC | Web browser. |

Power Supply

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|---------|---|
| Voltage | 100 – 240 V AC 50/60 Hz and 12 V DC or 24 V DC Consumption 150 W max. in transmit mode, 120 W max. in standby mode |
|---------|---|

Environmental

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|-------------------|--|
| Temperature range | Terminal unit with video codec 0° to +50° C Antenna unit -25° to +55° C |
| Humidity | 95 % non-condensing |

Dimensions and Weight

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|---------------|---|
| Terminal unit | 250 x 550 x 565 mm (HxWxD), approx. 15 kg |
| Antenna | 400 x 400 mm flat panel, approx. 4 kg |

Compliance

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|----------------|----------------------|
| ETSI Standards | EN 301426, EN 301681 |
| EMC/EMI | CE |