



NoSaCo® Regular

High-performance satellite communication system for long-term missions

KEY FEATURES

Powerful, high performance satellite communication system

Reliable and stable IP-over-satellite connection in remote areas worldwide accessible for a large number of users and end devices

Space-saving rack installation ensures protection of hardware components

Integrated middleware ensuring a maximum exploitation of satellite bandwidth

Low maintenance and remote monitoring

Pre-configured, ready-to-use end devices for voice communication

ADVANCED COMMUNICATION SERVICES FOR ALL HUMANITARIAN ACTORS SUPPORTING DISASTER RELIEF AND RECONSTRUCTION RELYING ON BROADBAND INTERNET ACCESS OVER SATELLITE

NoSaCo® Regular is the perfect solution for long-term installations in temporary remote headquarters during reconstruction missions, infrastructure establishment in humanitarian operations or in big-scale crisis situations demanding for a full server infrastructure. The terminal is relying on Satellite IP connection and establishes a performing internet connectivity. The worldwide satellite coverage based on C-band allows deploying the system globally.

NoSaCo® Regular provides the basis for advanced service provisioning like analogue and digital voice communication, sensor monitoring and video streaming. The terminal is designed to answer the needs of humanitarian agencies. The terminal is equipped with a 2.4 meter aperture transportable antenna.

The terminal is also available for operation within Ku-band frequency and is a part of the NoSaCo® product family. Other solutions of the product family are the NoSaCo® Compact, a flexible and modular communication system, and the NoSaCo® Regular, a high-performance systems for long-term missions.

REFERENCES

Ministry of Foreign Affairs of Luxembourg - Directorate for Development Cooperation



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SYSTEM CHARACTERISTICS: NoSaCo® Regular

ANTENNA FRONT END

Frequency band:	C-band (Ku-band on client request)
Reflector material:	Carbon fiber and SMC
Reflector aperture:	2.4 m
Fixation:	High-stiffness aluminum tripod
Polarization:	Circular
Receive frequency (Rx):	3.625 - 4.200 GHz
Transmit frequency (Tx):	5.850 - 6.425 GHz
EIRP:	64.0 (dBW) (Midband @P1dB)
Pointing:	Manual point and align
Interfaces to terminal:	5 meter (50 Ω) N-connectors

TERMINAL INTERFACES

up to 72 x Ethernet
4 x Analogue Voice Input (FXO)
1 x Digital Voice I/O (E1/T1)

MONITORING & CONTROL

Real-time, central and local monitoring
KVM over IP system for control of rack devices
Embedded temperature sensors

BUILT IN COMPONENTS

KVM over IP
Satellite modem
Router
Switches
Servers

INCLUDED SERVICES

Information management & synchronisation service with:

- Map distribution and annotations
- Tracking & Tracing of people and equipment
- Document / Picture sharing
- Sensor service integration
- Alerting features
- Full API for further client-specific integration

MODEM

Forward modulation:	DVB-S2, QPSK, 8PSK, 16APSK
Return modulation:	MF-TDMA, BPSK, QPSK, 8PSK

ELECTRICAL

Power supply:	240 VAC~ 50 - 60 Hz (max 16A)
Power consumption:	max 1000 W

ENVIRONMENTAL

Wind (operational):	65 km/h
Wind (survival):	95 km/h
Temperature:	0 - 50°C
Humidity:	20 - 80 % (non condensing)
Sealing class:	IP23

PACKAGING

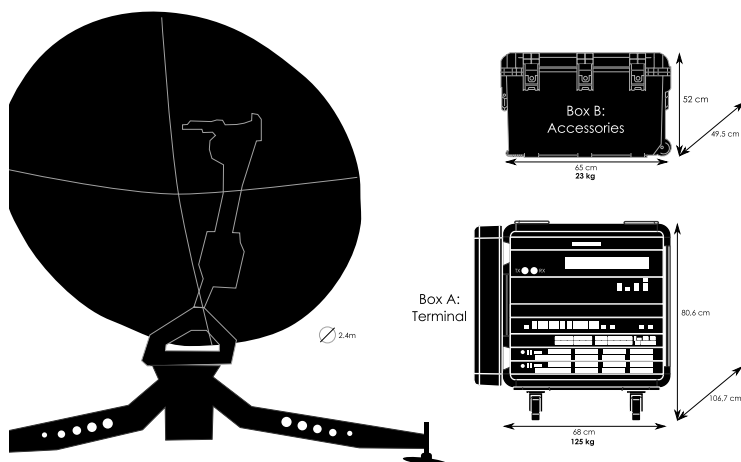
Number of cases:	1 x Terminal case 1 x Accessories case 7 x Antenna cases
Total weight:	max 600 kg

BANDWIDTH

Use policy:	Dedicated bandwidth
Bandwidth:	max 4 Mbps symmetric

END DEVICES & ACCESSORIES

1 x Wired IP phone Cisco® 7975G
3 x Analogue telephone adapter (ATA) Linksys SPA2120
1 x Toolbox
Power and network cables
1 x GPS antenna
1 x Cisco® switch



NoSaCo® is designed and assembled by HITEC Luxembourg S.A.
in the Grand Duchy of Luxembourg

(*) Depending on selected bandwidth plan

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