



The SWE-DISH® IPT Suitcase satellite system is the world's most compact and quickest-to-air satellite system combining the benefits of simple, one-person operation with exceptional technical performance to allow live, 2 Mbps broadband transmission complete with inbuilt encoding from virtually anywhere in the world.

SWE-DISH® IPT Suitcase Satellite System for:

- live video/audio streaming of news and sports
- broadcast quality transmission from remote and hostile locations
- disaster relief applications
- corporate broadcasts
- temporary ISP nodes for remote workers.

BROADCAST QUALITY – WITHIN MINUTES

Using IP technology, the system provides broadcast quality video already encoded for digital distribution

through internet, intranet or via your TV distribution network. Antenna positioning is motorized and semi-automated (with manual over-ride) using inbuilt GPS and flux-gate compass for fast, trouble-free set up even by untrained personnel and to allow your operatives to concentrate on the task in hand. Typically set up is achieved in field conditions in less than five minutes. Wherever the action, the IPT Suitcase gets your pictures to air fast and without fuss.

COMPACT, RUGGED AND DEPENDABLE

Measuring just 66 x 47 x 29 cm the SWE-DISH® IPT Suitcase Satellite System is scarcely bigger than hand baggage and is fully enclosed in a tough carbon fibre and aluminium carry case. Operating from 24 V DC or mains power, the system is robust enough for the toughest assignments.

KEY BENEFITS

- Live, broadcast-quality, IP-based 2 Mbps broadband transmission.
- Compact, hand-portable and rugged.
- Fast, one-person operation with unique, user-friendly graphical user interface.
- Motorized and semi-automated set-up and positioning.
- No requirement for trained personnel.
- Allows broadband content to be generated anywhere, anytime.

SPECIFICATIONS SWE-DISH IPT SUITCASE

ANTENNA PERFORMANCE

- Antenna Type Gregorian offset in 4 pcs
- Antenna Aperture 0.9 * 0.66 m
- Polarisation Linear
- Rx Frequency 10.95–12.75 GHz
- Rx Gain at midband 38.3 dBi
- Tx Frequency 14.0 – 14.5 GHz
- Tx Gain at midband 39.7 dBi
- Crosspolar Rejection >35 dB
- EIRP Up to 53.6 dBW

MODULATION

- Transmit mode: SCPC
- Modulation type: QPSK
- Data rate: 64 kbps – 2Mbps
- Code types: Viterbi FEC, RS

VIDEO INPUTS AND PROCESSING

- Variable video settings for resolution and fps
- Composite
- DV, SDI, S-Video

AUDIO INPUTS AND PROCESSING

- Analog or digital audio
- Unbalanced stereo (RCA connectors)
- Balanced stereo (XLR connectors)
- Professional digital audio AES/EBU (XLR connectors)
- Audio processing according to WMA (Windows Media Audio) or MPEG 2 layer I and II (optional)

DATA INPUTS AND PROCESSING

- LAN interconnectivity 10/100 base T on RJ45
- Video streaming over IP, internet connection, email and ftp file transfer

ENCODING UNIT

- Windows Media Encoder, MPEG 4, HW MPEG 2 encoding over IP (optional)
- Optimized encoder interface for live video streaming.
- Stand alone unit

IP ROUTING

- Bi-directional and uni-directional operation supported.
- Support transmission of live video stream, internet connection, email (SMTP/POP) and ftp
- Accept simultaneous data streams of different kinds

ANTENNA ALIGNMENT

- Automatic motorized alignment through GPS and fluxgate compass
- Azimuth range: $\pm 30^\circ$ 0.1° step size
- Elevation range: 10°–70°, 0.1° step size
- Polarization: 150°, 0.1° step size
- Signal analyzer for easy, precise alignment

CONTROL UNIT

- Embedded PC platform with memory, disk and network connection.
- Graphical user interface via an embedded http server.
- Graphical control interface for antenna positioning, RF parts, encoder and transmission parameters.

MECHANICS & DESIGN

- Compact: IP Fly-Away System, the communication unit is packed in one case with the encoder unit in a separate enclosure.
- Total weight less than 35 kg and size 66 x 47 x 29 cm
- Automatic antenna positioning



EASE OF USE

- Fast set-up: Less than 5 minutes
- Easy Control & Monitoring unit streamlines operations.
- Worldwide support and diagnostics from SWE DISH global support center 24 hours/day
- Software is designed for easy remote up-grade possibilities
- Through the encoder unit all functions are remotely controlled and monitored
- Live video window

ENVIRONMENTAL SPECIFICATIONS

- Operating temperature: -20 to + 40°C
- Operating humidity: 95% non-condensing
- Storage temperature range: -40 to +70°C
- Sustain 100 mm rain per hour
- Power supply from 24 V DC (500 W) or from mains 85–265V AC (600 W), 50–60 Hz

PENDING APPROVALS ACCOUNTING TO:

- EN 301430/428
- EN 60950
- EN 301489-12
- FCC, Eutelsat, Intelsat

OPTIONS AND OTHER SERVICES

- DAMA
- Space segment (satellite capacity)
- Customer downlink systems
- Internet backbone access
- Automatic antenna alignment
- Accessories for easy transport, back pack, wheels etc
- Test and monitoring kit
- Encryption, restricted access
- Service agreements
- Audio/video production equipment

