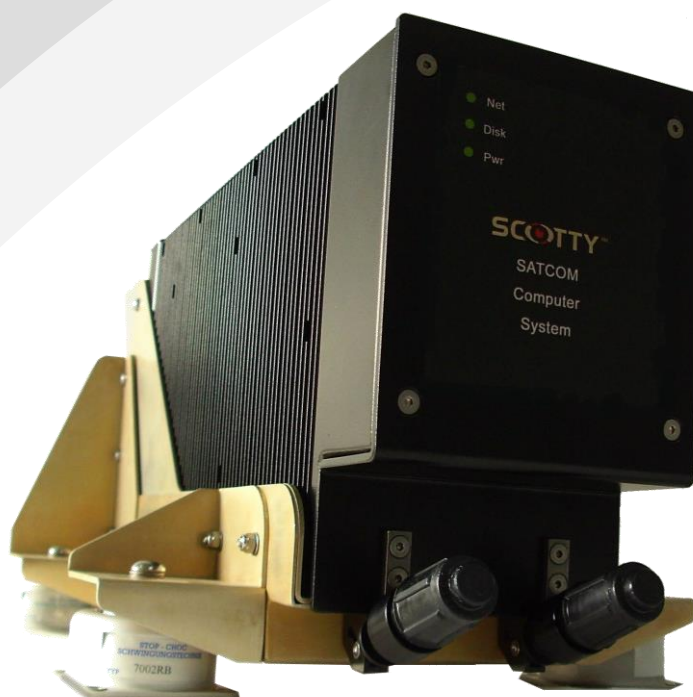


# SCOTTY SATCOM Computer System (SCS)



## ARINC 600 4 MCU Unit

- > Designed for airborne data, imagery, and live video transmission over satellite.
- > Up to 1,536 kbit/s IP over satellite or 512 kbit/s ISDN over satellite.
- > H.320/H.323 video conferencing with H.264 (MPEG 4 –AVC10) video coding.
- > MPEG 4 HD-AVC (H.264) video recording up to 1080p30 with maximum 62.5 Mbit/s; AAC-LC audio.
- > Automatic "Snap & Send" HD still images from video source for immediate transfer parallel to live transmission.
- > Includes internal Windows PC for various applications such as blue force tracking, fleet tracking, flight planning, etc.
- > Specially optimized for satellite store & forward data transmission.
- > Optional foot switch for hands free call and "Snap and Send" control.
- > Optional tray with integrated shock mounts and air-cooling connectors.
- > Certified according to DO-160

## ▶ NETWORK INTERFACE

LAN  
4 x ISDN  
INMARSAT SWIFTBROADBAND  
INMARSAT SWIFT64  
VIASAT VMT-1220LA (Ku)

## ▶ IN & OUT

DVI OUT  
VGA OUT  
HD-SDI IN  
ANALOG VIDEO IN (4x)  
ANALOG VIDEO OUT (2x)  
INTERCOM AUDIO IN/OUT  
STEREO AUDIO IN/OUT  
USB (3x)

## ▶ FEATURES

LIVE VIDEO AND AUDIO  
TRANSMISSION  
  
HIGH EFFICIENCY DATA  
TRANSFER  
  
HIGH QUALITY MPEG-4 AVC  
RECORDER  
  
STORE & FORWARD  
  
VIDEO SWITCHING MATRIX,  
AUDIO MIX

# SCOTTY SCS

## TECHNICAL SPECIFICATIONS

### VIDEO SYSTEM

- > Overlay: Video scalable up to full screen, "snapshot" function
- > Video inputs: HD-SDI, 4 x composite, 75 Ohm input
- > Video outputs: 2 x composite, 75 Ohm, VGA, DVI
- > Video control: Video cross switching matrix with preview function
- > H.239: Dual video stream

### AUDIO SYSTEM

- > Audio inputs: 1 x intercom, 1 x stereo line level
- > Audio outputs: 1 x intercom, 1 x stereo line level
- > Audio control: Audio mixer for all inputs and outputs
- > Echo cancellation: Wide band acoustic echo cancellation
- > Sound system: Integrated stereo Windows® Sound system

### COMMUNICATION UNIT

- > Computer: Intel® Core™ i7-2655LE 2x2.20GHz
- > Video codec: H.320/H.323 56 kbps - 1536 kbps
- > Recording: AVC video up to 1080p30 with up to 62.5 Mbit/s; AAC-LC audio with 16 bit and 128 kbit/s
- > ISDN Adapter: 4 BRI (8B), internal inverse multiplexer, "Bonding" standard, SCOTTY Live Bonding
- > LAN: Ethernet 10/100 Base-T
- > USB 2.0: 3 ports
- > DVI and VGA simultaneous outputs
- > Integrated solid state flash drive

### OPTIONAL PERIPHERAL EQUIPMENT

- > Foot switch with MIL-spec USB connector for hands free call and "Snap and Send" control.
- > SCS tray with integrated shock mounts and air-cooling connectors.

### SOFTWARE

- > SCOTTY Teleport™ software: Easy to use; High efficiency file transfer; Store & Forward function
- > File transfer optimized for IP over satellite and Swift64 including SCOTTY File Exchange
- > NetMeeting™: Shared Whiteboard, Application Sharing, ...
- > Windows® OS

### STANDARDS

- > Video system: PAL/NTSC
- > Video coding: H.261, H.263, H.263+, H.264, up to 30 frames / sec.
- > Audio coding: G.711, G.722, G.723.1, G.728
- > Data: T.120, H.239
- > Far end camera control: H.281
- > ISDN: Euro ISDN DSS-1, 5ESS, NI-1, DMS-100, INS 64, TPH 1962

### PHYSICAL

- > Power: DC 20 – 33V, typ. 100W, max. 150W
- > Length: 366.8mm, Width: 126.0mm, Height: 199.5mm
- > Weight: 7.0 kg
- > Operating: -25° to 55° C
- > Storage: -55°C to 85°C, 5% - 95%, non-condensing

### ENVIRONMENTAL

- > DO160 (ask for details)

Contact your authorized reseller or SCOTTY Group representative to learn more. Specifications are subject to change without notice.

