

SCOTTY™

Mobile HD

the portable video communication station

The SCOTTY Mobile HD has been designed to be both a portable surveillance video receive station and a video communication system.

This battery-operated unit includes SCOTTY's hardware HD video codec, a mil-spec Windows computer, and a convenient interface panel for peripherals. It can perform interactive audio, video, and data communication, record, receive, and stream video, control sensors remotely, and share data.

Together with a portable satellite system, the Mobile HD Light is the ideal station for customers working in remote areas who want to monitor live surveillance video and communicate with the world. It is also very versatile and can be used for a number of other applications including telemedicine and remote maintenance.

The SCOTTY Mobile HD Package

- Watertight case.
- AC and battery powered.
- Live video at high or low bandwidths (H.264 video).
- SIP/H.323 VTC from 64 kbps to 8 Mbps.
- User-defined resolution versus fps settings.
- "Snap & Send" HD Snapshots receive.
- SCOTTY Fast File Exchange over satellite.
- Live video stream forward via Ethernet.
- Integrated MIL-STD 810H computer (optional standard commercial laptop version also available).
- Perfect for Inmarsat BGAN and Thuraya IP SatCom.
- Compatible to encryption.
- Shielded to NATO COMSEC Zone 2.



PROVISIONAL DATASHEET: specifications may change

Mobile HD

technical data

Physical

Dimensions:

Closed: 550 mm x 423 mm x 129 mm (21.7" x 16.7" x 5.1")
Opened: 550 mm x 522 mm x 477 mm (21.7" x 20.6" x 18.8")
Weight: 11 kg (24 lbs.)
IP67 when closed

Temperature

Operating: -20°C to +60°C
Storage: -30°C to +60°C

Power

Built-in Li-Ion battery for up to 4 hours of VTC

Mains Voltage Range: 100V ... 240V AC
Max. Current: 2.0A
Frequency Range: 47Hz ... 63Hz
Max. Power Consumption: 200W

Audio and Video

Built-in 1/3", 2.5 megapixel HD camera
Adjustable gooseneck microphone included
High-performance wideband stereo speakers

Video Conference and Live Video Transmission

Call Control: H.323, SIP
Network: IP V4 and IP V6 support
Call rate: 64 kbps up to 8 Mbps

Video: H.264
Video Resolution: Up to 1920x1080p
Video Framerates: 2 to 30 fps progressive
Video quality adjustable between motion and sharpness, optimized for limited bandwidth
Configurable picture in picture of local video into received video

Audio: G.711, G.728, G.722, G.722.1 with annex C
Audio data rate: 16kbps up to 64kbps
Audio sample rate: 8ksps up to 32ksps, mono

Data: SCOTTY Filetransfer, SCOTTY Snap&Send,
H.281 Far End Camera Control, serial data pass-through

Recording

File format: MPEG-4, MPEG-TS

Video: H.264
Video data rate: Up to 16 Mbps
Video Resolution: Up to 1920x1080p
Video Framerates: Up to 30 fps progressive

Audio: AAC-LC, stereo
Audio data rate: 128kbps
Audio sample rate: Up to 48ksps

Streaming

HTTP MPEG-TS stream, RTSP MPEG-TS stream

Video: H.264
Video data rate: Up to 16 Mbps
Video Resolution: Up to 1920x1080p
Video Framerates: Up to 30 fps progressive

Audio: AAC-LC, stereo
Audio data rate: 128kbps
Audio sample rate: Up to 48ksps

Windows Video Overlay

Scalable Window up to full-screen
Video Resolution: Up to 1920x1080p
Video Framerates: Up to 30 fps progressive

Snapshot

Snapshot Resolution: Up to 1920x1080p
Snapshot Format: JPEG

Geotagging support: storing the position where the snapshot was taken in the snapshot's Exif header. Requires an NMEA-compatible position source, e.g. a GPS receiver.

Video Interfaces

CAM, HD-SDI or SD-SDI
DVI/HDMI In
VGA In
CVBS In
DVI/HDMI Out
HD analog video output, either VGA or component

Audio Interfaces

Headset
Mic
Line In
Line Out

Data Interfaces

LAN 10M/100M/1G
Two USB 3.0
One COM Port (RS232 or RS422)

Computer

Rugged MIL-STD 810H notebook
Display: 14", sunlight readable
Operating System: Windows™ Professional 10



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