

## Onsight 2000R

### Mobile Collaboration Device

The Onsight 2000R is a mobile collaboration device engineered to perform in harsh environments with its chemically resistant exterior, IP54 enclosure rating and overall durability. Powered by the Onsight Mobile device software, the Onsight 2000R allows field workers the ability to share, diagnose, consult, and resolve issues in real time with experts at their desks. The Onsight 2000R provides a "rugged" mobile collaboration solution which includes live video from the field, two-way audio and two-way screen markup for full collaboration.

### Features

- Hand-held wireless mobility
- Real time, high quality video stream for immediate collaboration
- 2-way audio through VOIP with both speakerphone and headset modes
- Ability to make video / audio calls to SIP enabled video conferencing endpoints
- Outstanding optical performance featuring 10x zoom and 1 cm (1/2 inch) macro
- Advanced security, encryption and authentication features
- Recording capability, still image capture, on-screen drawing
- Integrated 802.11 b/g wireless networking
- High resolution viewfinder with touch screen support
- Image sharing mode for low bandwidth network connections
- Bidirectional image and video file sharing between the field and expert
- FIPS 140-2 optional software client for additional security
- An intuitive touch screen user interface for easy operation in the field
- Operating temperature: -10°C +40°C
- IP64 enclosure rating
- Chemical resistant exterior and able to withstand 4 foot drop to concrete



### A Complete Mobile Collaboration System

This mobile device is part of Librestream's patented Onsight mobile collaboration system. Together with Onsight Expert, the companion desktop application, the Onsight mobile devices can immediately connect internal experts, who may be thousands of miles away, to situations needing their experience and instruction. With the power of Onsight, your experts are leveraged and can collaborate with field workers to resolve issues, fix problems or monitor situations regardless of where they are located.



## Technical Specifications

### General

- Microsoft Windows CE 5.0
- Rechargeable 2400 mAh Li-Ion battery
- SD/SDHC memory card for storage
- 1/4-20 UNC thread for tripod mounting

### Optical Performance

- CCD image sensor
- 10x optical zoom, f=4.2mm (wide) to 42 mm (tele), F1.8 to F2.9
- 10mm minimum working distance (wide end)
- 1000 mm minimum working distance (wide end)
- Manual and automatic focus
- Manual and automatic white balance
- Integrated illumination

### Optional Expansion Module

- Audio-in
- S-video in/out
- RJ45 10/100 Mbps ethernet
- USB

### Audio

- VoIP: G.711, GSM 6.10
- Subject Audio: G.711, GSM 6.10
- Omni directional microphone
- Microphone/line-in input for capture of subject audio synchronized with video
- Speakerphone with acoustic echo cancellation
- Headset support

### Video Standard

- MPEG-4 simple profile @ L3 or H263
- Up to D1 (720 x 480) at 30 fps

### Display

- 3.7 VGA 640 x 480 display
- Integrated touch screen

### Communications

- SIP call control
- Integrated IEEE 802.11 b/g
- RJ-45 10/100 Mbps Ethernet

### Security

- User ID and password control
- WLAN network authentication: WPA, WPA2, WPA-PSK, WPA2-PSK, open
- WLAN Data Encryption: AES, WEP, TKIP, or Disabled
- 802.1x authentication: EAP-TLS, PEAP
- Media encryption: AES-128
- FIPS 140-2 optional software client

### EMC

- Canada – ICES-003 Class B
- USA – FCC, CFR47, Part 15, SubpartB – Class B
- EN55011 Class B
- IEC61000-6-2
- EN301 489-1
- IEC61000-6-2

### RF Exposure (SAR)

- IEEE C95.1
- Industry Canada standard RSS-102
- FCC OET Bulletin 65 (Supplement C)
- EN 50360

### Radio Compliance

- Industry Canada standard RSS-210
- FCC Part 15, Sub-part C, Sec. 15.247
- ETSI EN 300 328

### Safety

- Canada - CSA C22.2 60950-1
- USA - UL 60950-1
- EU - IEC 60950-1

### Dimension and Weight

- Weight (incl. battery) – 1040 grams (2.3 lbs)
- Size – 187 mm (7.36”) wide x 127 mm (5”) high x 108 (4.25”) mm deep

### Temperature

- Storage – minimum -20°C maximum 60°C
- Operating – minimum -10°C maximum 40°C

### Humidity (non-condensing)

- Short term storage (up to 3 months) minimum 5% maximum 85%
- Operating minimum 5% maximum 95%

### Altitude

- Storage (12°C) minimum 0 ft, maximum 15,000 ft
- Operating (27°C) minimum 0 ft, maximum 8,000 ft

### Drop

- 4 feet to steel or concrete at 20°C

### Enclosure Class

- IP64

### Chemical Resistance

- Resistant to engine oil, gasoline, diesel fuel, & water/glycol mix