

Onsight 1000

Mobile Collaboration Device

The Onsight 1000 is a powerful mobile collaboration device that was designed for indoor and light industrial use. Powered by the Onsight Mobile device software, the Onsight 1000 gives field workers the ability to quickly share, diagnose, consult, and resolve issues in real time with experts. The Onsight 1000 was designed for simplicity and includes secure video streaming 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
- An intuitive touch screen user interface for easy operation in the field
- Operating temperature: 0°C +40°C



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

Operating System

- Microsoft Windows CE 5.0

Battery

- Rechargeable 2400 mAh Li-Ion battery

Optical Performance

- CCD image sensor for high precision close-up video
- 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
- 1.5 lx (50 IRE) minimum illumination

External Interfaces

- SD / SDHC memory card
- S-video in (optional: out)
- External power in
- Headset
- 10/100 Mb Ethernet
- USB host 2.0
- Audio line-in

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
- Wired headset support
- Silence suppression of VoIP communications to minimize bandwidth utilization
- Dynamic jitter buffer adjustment

Display

- 3.7" VGA 640 x 480 display
- Integrated touch screen to manage the system
- Buttons to initiate and end calls, capture still images, start/stop/pause video stream or recordings, change volume and focus images

Video Standard

- MPEG-4 simple profile @ L3 or H263, stream up to 2.5 Mbps
- Up to D1 (720 x 480) at 30 fps

Communications

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

Physical Features

- Size - 174 (6.85") mm wide x 96.0 (3.78") mm high x 87.1(3.43") mm deep
- Weight (incl. battery) - 720 grams (1.59 lbs)
- Integrated non-slip hand grips and water resistant doors for all external connectors

Operating Environment

- Operating temperature: minimum 0°C - maximum 40°C
- Storage temperature: minimum -20°C - maximum 60°C
- Operating humidity: minimum 5% - maximum 80% (non condensing)

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



Librestream

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