

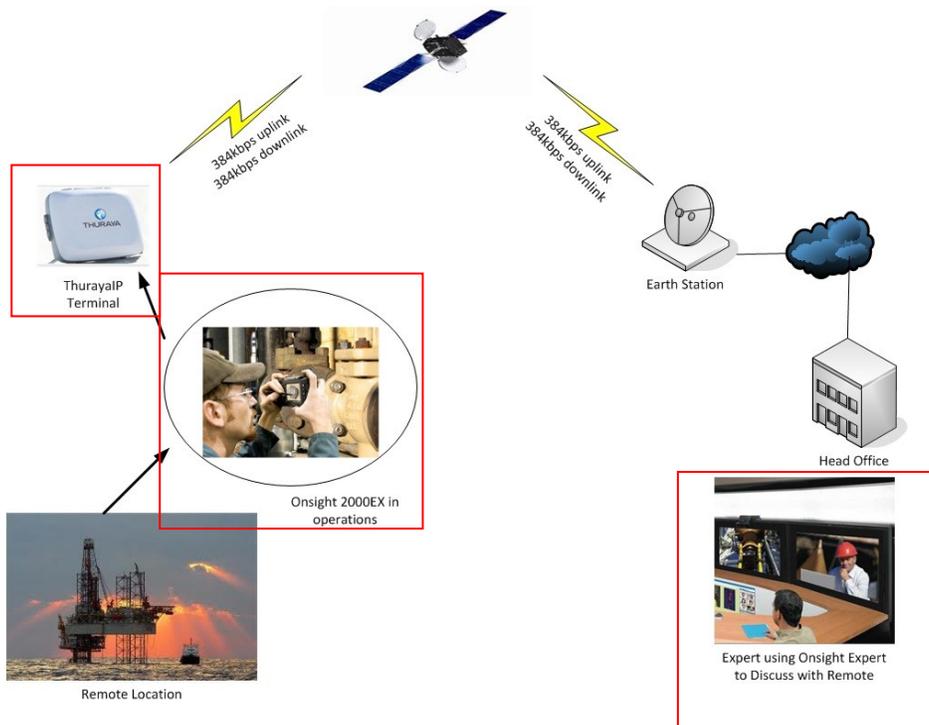
Mobile Video Collaboration System

KEMILINKS
Telemetry and Tracking Services

- Wireless Asset Monitoring and Tracking
- Fuel & Security Supervision
- Remote Telemetry and Control
- IMO Long Range Identification Tracking (LRIT)
- IMO Ship Security Alert System (SSAS)
- Vessel Monitoring System (VMS)
- Pipeline Monitoring
- Early Warning System

Mobile Video Collaboration System allows the most cost effective and efficient method to address technical issues or challenges faced in the remotest and harshest location. The Onsight System is the only mobile collaboration solution that fully connects experts to remote locations in real time. Using Onsight, an internal expert can see live video and/or images and share feedback with field staff or external suppliers to assess operations or resolve issues immediately.

The system allows both audio and video content to be seamlessly stream bi-directionally over satellite or wireless platforms. Utilising the Librestream patented Onsight 2000EX and Onsight Expert application together with a ThurayaIP or Inmarsat BGAN satellite terminal, the remote location can be connected immediately to internal experts, who may be thousands of miles away, to situations needing their experience and instruction. With the mobile video collaboration system, subject matter experts are leveraged and can collaborate with field workers to resolve issues, fix problems or monitor situations regardless of where they are located.



The Onsight system is comprised of three main components:

- ❖ Onsight 2000EX Camera for use in the field.
- ❖ Portable Satellite Terminal.
- ❖ Onsight Expert software installed on the expert's computer.

Once fully setup, Onsight allows the use of telestration to highlight any area of concerns on the camera LCD including comments. Similarly, Experts at head office can use the Onsight Expert platform in collaborating the fault resolution with the remote users. Duplex voice communications is also available.



Kemilinks International Pte Ltd

627A, Aljunied Road, BizTech Centre #08-08, Singapore 389842

Tel: +65 67481619 Fax: +65 67481619 email: sales@kemilinks.net web: www.kemilinks.net

Mobile Video Collaboration System

Onsight 2000EX Camera System

Onsight 2000EX is a Class I, Division 2 and Zone 2 Approved camera equipment and is certified for use in potentially hazardous locations such as oil and gas or chemical processing that require a hazardous location approval. Using the Onsight 2000Ex, field operators can share, consult, and resolve issues in real time with other professionals. Powered by the Onsight Mobile device software, the Onsight 2000Ex provides a total mobile collaboration solution for these challenging environments.



Key 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
- ❖ Class I, Division 2 and Zone 2 Approved; Operating temperature: -10°C +40°C; IP64 Enclosure rating
- ❖ Chemical resistant exterior and able to withstand 4 foot drop



Onsight Expert

Onsight Expert is a desktop software application that can participate in a call with an Onsight 2000EX camera via the satellite communication network. Technical experts and remote operators can jointly view, consult, diagnose and resolve issues by sending high-resolution video, sound and still images through streaming multimedia from the Onsight device to one or more Windows PCs running Onsight Expert. Multiple Onsight Experts and Onsight devices can participate in a conference call.

The Onsight device operator and Onsight Expert can:

- ❖ Converse just as they would on a mobile telephone
- ❖ Stream audio and video recordings in real time
- ❖ Record and play back video
- ❖ Draw (telestrate) on the video image
- ❖ Capture and save snapshot images
- ❖ Share snapshot images
- ❖ Draw (telestrate) on the snapshot image
- ❖ View and listen to streaming audio/video output in real time
- ❖ Remotely adjust the controls on the Onsight device (e.g., zoom, focus, lighting, etc.)



Satellite Terminal

The remote location is usually without communication infrastructure. The only option to link the Onsight 2000EX and Onsight Experts is via satellite communications. Kemilinks has carried out numerous deployment using Inmarsat and Thuraya terminals with great success. End user can be assured of a proven communication infrastructure offering a throughput up to 492kbps with a guarantee QOS of 384kbps. Both audio and video from Onsight equipment are streamed seamlessly across the satellite network.



Kemilinks International Pte Ltd

627A, Aljunied Road, BizTech Centre #08-08, Singapore 389842

Tel: +65 67481619 Fax: +65 67481619 email: sales@kemilinks.net web: www.kemilinks.net