ProEX Telehealth Imaging Hub

MEDICAL AND DENTAL SOLUTIONS

The ProEX Telehealth Hub connects patients with specialist services by supporting a wide range of medical examinations from a video conferencing enabled multifunctional device. The medical imaging system incorporates a high resolution medical-grade camera hand-piece with an integrated, high-intensity LED light source. The ProEX includes an integrated 10" touch screen LCD, an elegant patient data management interface and robust, solid-state storage of still images and video. Along with built in video conferencing capabilities, The ProEX also captures high definition images and videos from external sources

Features & Benefits

- Display 25cm (10.1") touch screen LCD
- Inputs HDMI, DVI, BNC & S-Video, USB (UVC), Microphone, Line In
- Outputs HDMI, DVI, USB (UVC), Headphone, Line Out
- Powerful data management software and archiving system
- Networking Gigabit Ethernet and 802.11 b/g/n/ac WiFi
- Storage of patient data using solid state drive (SDD)
- Bluetooth-4 remote control
- Teleconferencing using in-built webcam and microphone

Introducing the ProEX

The ProEX facilitates rapid health management consultations for patients who have limited access to specialist services. By connecting with their chosen healthcare specialist through a video conferencing link, the local health practitioner can examine a patient using the ProEX and consult directly with a specialist provider at another location. All images and videos can be transmitted through the video conferencing connection to a specialist for remote diagnosis, or stored locally on the encrypted hard drive for later analysis or archiving. Video conferencing can be transmitted via a local network, the internet, or via 3G/4G/LTE using an optional interface module.

Typical locations for the ProEX could include: Medical Centres, Rural & Remote Communities, Nursing Homes, Aged Care Facilities, Cruise Liners, Airports, Oil Rigs & Mining Camps, Merchant Navy, Military Camps, Detention Centres, Prisons.

INTERCHANGEABLE PROBES

OTOSCOPE PROBE

The otoscope probe is designed to provide brilliant endoscopic images of the ear or nasal cavities, for patients ranging from small children to adults. The use of disposable speculae provides hygiene between patients.

GENERAL IMAGING PROBE

The general imaging probe is used for capturing images of the oral cavity, eyes, face and nose along with images of the tonsils, cleft palates and intraoral lesions and extremities such as hands and feet.

DERMATOLOGY PROBE

The dermatology probe is ideal for diagnosing and recording external skin conditions. Complete with focus adjustment, the probe can be set up for surface magnification or for viewing into cavities or wounds.

SINUS PROBE

The sinus probes are available in two viewing directions. Options are: 0 and 30 degrees with a 60-degree field of view. Both probes are 2.7mm in diameter and 110mm in length.

DENTAL PROBE

The dental probe is used for capturing intra-oral side conforming images of the dental cavity. The aperture angle of 60° ensures brilliant 3D images of 1 to 5 teeth at a magnification of up to 25x.

ENDOSCOPE ADAPTER

The endoscope adapter provides a simple mechanism to connect a wide range of medical endoscopes such as Olympus, Schoelly & Storz (an external light source is required).