The smots™ Mobile Trolley was developed in consultation with clinicians to give a highly flexible solution where fixed cameras were inappropriate and ultimate mobility was required. With a solid, robust design it has been engineered to enable it to cope in a wide variety of situations and environments and is even capable of being safely transported across a hospital car park.

Typically two or three of these smots™ Mobile Trolley units will supplement the Fixed Installation in most facilities, but some centres can extend to 60 or more units.

Simply plug the trolley into a power source, connect to a network point (with the battery/wireless version there is no need to do this!) and instantly you are connected to the main Control Centre where video and two way audio communication can be controlled by the clinician whilst recording everything and all Images are in Real Time.

Record for instant playback

With a number of innovative features the smots™ Mobile Trolley can be fitted with Wireless Radio Microphones and optional Vital Signs / Auxiliary Inputs. Additionally, the camera is Automatically Height Adjustable and can Pan Tilt and Zoom Remotely. Capable of the Recording of all Video and Audio this information is then readily available for Instant Review. The trolley comes complete with a Detachable Microphone and a 10 Metre Extension.

With a host of simple and effective ways to inform and educate there is a Touch Screen PC option for Local Camera Monitor and Control this feature is ideally suited to watch adjacent theatres when surgeons are multi-tasking. Multiple Cameras can be viewed at once if they are connected to the smots™ System (standard trolley is a single camera unit).

Delivering the ability to share whatever you’re looking at with any audience, wherever they are.

Current applications include use in:

- **Mobile Simulation Scenarios** including emergency services vehicles (ambulances etc).
- **Operating Theatre Links** connects viewing audiences.
- **Lecture Theatres (s) Scenarios** including link ups to further afield locations (using smots™ Live).
- **Connection to Standard Medical Equipment** including daVinci™ Robotic Units, Laparoscopic Cameras & Operating Light Cameras.
- **Observation and Viewing Multiple Theatres** for use when running concurrent operating procedures.
- **In the field Real Life Simulations** for use at street level.
- **Specialist or Restricted Access Environments** including Mortuaries, Intensive Care Paediatric Wards, etc.

Delivering the ability to share whatever you’re looking at with any audience, wherever they are.
Brand New Features

- **Gas Strut Assisted Height Adjustment**
- **Soft Cushion Wheels for smooth video when moving** (enhances operation with the new battery version trolley).
- **New and Improved Trolley Design** (hides all cables out of view).
- **Expanded Cable Management Tidy Hoops** (for 10m microphone, video, data, power, and network cables).
- **Improved Transportability** (Detachable base for packing and transportation in saloon cars with fold flat seats)
- **Easy Clip on/Clip off Access Arm.** (takes camera and microphone around 650mm forward from the main trolley)
- **Patient Voice Loudspeaker.**
- **HD Input.**

Optional Accessories

It is the options that can make the big difference - so never forget the extras that can adapt a standard trolley to give a wider range of options in different scenarios.

- Battery pack for 4 hour wireless use.
- 15.6” Touch screen computer on trolley
- PC Mount

smots™ Trolley Product Range

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC737HD</td>
<td>New HD mobile trolley, full 1080p</td>
</tr>
<tr>
<td>SC737HD2</td>
<td>New HD mobile trolley, full 1080p with auxiliary HD input.</td>
</tr>
<tr>
<td>SC737HD3</td>
<td>New HD mobile trolley, full 1080p with dual auxiliary inputs.</td>
</tr>
</tbody>
</table>

(battery pack option available for SC737HD and SC737HD2 only)

HD Mobile Trolley for Specialist Applications

- High definition 1080p ptz camera
- Auxiliary input for high definition theatre cameras
- Compatible with Cardiac Catheter Lab monitors
- Compatible with all leading endoscopic systems
- Compatible with Da Vinci robotic system

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**Mechanical Dimensions**
Camera lens height Lowered: 1200mm
Overall height lowered: 1440mm
Camera lens height fully extended: 2000mm
Overall height fully extended: 2250mm
Base footprint: 540mm x 540mm
Weight: 36Kg, (45kg with battery)

**Connectivity**
- IEC 3 pin power
- XLR 3 pin microphone
- RJ45 Network
- RJ11 Wireless Device Power
- DVI HD Multiway connector
- 4 pin Mini Din S-Video (option)
- 3.5mm Stereo audio
- ¼” Socket for auxiliary (not included) patient voice speaker cube

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www.smots.org

April 2017 : V13.2
This new smots™ solution gives you 3 completely wireless cameras (full 1080p HD) AND a patient monitor feed for connecting to a manikin. The cameras have built in hi fidelity microphones and infra-red illumination to allow use in complete darkness.

The 110 degree wide angle lenses pick up every detail which is of course recorded in smots(tm) Control Centre software* (*must have latest version 14 software). You could wirelessly tag the video as you go along too? The cameras use 802.11 WiFi protocols which of course mean that if the single access point is insufficient for some scenarios, it is easy and inexpensive to extend.

Mounting of the wireless cameras is easy using either the strong angle adjustable clip, or the body worn harness.

The built in laptop means you can always view your material wherever you are. Now you can follow a patient journey! The camera’s 12 hour battery life means all day work is perfectly practical.

Current applications include use in:

- **Remote Locations** for immersive training environments
- **Locations without a smots™ system** bring smots™ to those without
- **Live in the field** training scenarios and emergency situations outside the confines of the ward
- **Overseas training** recording new procedures and experience from around the world
smotsInSitu Includes:
- 1 x SC701HD smots™ box for patient monitor (or other HDMI input)
- 3 x WIFI cameras with integral microphones
- 1 x patient voice loudspeaker
- 1 x Dell 17” laptop

smotsInSitu features Include:
- Ruggedised case with lock
- Robust roller wheels
- Extendable handle
- HD input
- Fully configured 17” laptop workstation

Dimensions
56.5cm x 37cm x 24cm

Weight
including 15.6” PC 20kg
Developed in order to allow to recording and instant playback of medical simulations, the smots™ fixed camera solution is ideal for the medical environments where an unobtrusive overview is required.

The high quality camera can be controlled remotely allowing for a full uninterrupted view of the events with 2 way audio for real-time interaction and communication. The instant playback means that lessons can be learned and progress made on the spot.

The unobtrusive nature of the camera allows for a more natural less self conscious interaction helping to create a more immersive role play scenario. The latest simulation technology has already demonstrated its value in medical education and clinical research and is now recognised as a valuable tool for training medical professionals and ensuring the highest levels of patient safety. It is here in this area of simulation technology that smots™ has proved to be such a vital complementary system. Scotia has associations with Laerdal, Gaumard, Meti and most simulation related manufacturers. smots™ is now being used in many operating theatres too for training and recording procedures.

making simulation real

Experience in the medical field has shown that simulation is well accepted by trainees, performance on simulators improves with training and practice, and simulation prior to first performing procedures can improve clinical performance and refine skills without putting actual patients at risk.

smots™ addresses a vital requirement in this modern healthcare advancement to display and record in real time teaching, training and high dependency scenarios using the latest observation technology solutions available.

The smots™ camera solution fits neatly to most ceilings, often using our semi permanent grid mounts which can allow for repositioning when required.

Current applications include use in:

- **Simulation Centres** for immersive training environments
- **Operating Theatre Links** connects viewing audiences.
- **Lecture Theatre(s) Scenarios** including link ups to further afield locations
- **Teaching Hospital Ward** including role play environments

Delivering the ability to share whatever you’re looking at with any audience, wherever they are.
Features:

- 30x optical zoom lens for fantastic close ups to check the pupil dilation, the sats monitor, even notes.
- Near 360° degree rotation means nowhere to hide.
- Fantastic low light capability and infrared illuminator ready.
- Easy fix to ceiling grid using own quick fix brackets.
- Discreet ceiling microphones pick up quiet conversations, patient sounds.
- Watch and record all cameras and vital signs feeds too - for instant playback and review.

smots™ Recorder can records the following streams continuously giving thirty days or more storage for every camera:

- SC748 - 10 Streams 24/7 for 30 days
- SC748/12 - 30 Streams 24/7 for 30 days
- SC748/24 - 60 Streams 24/7 for 30 days

It’s half the size of the previous version taking up only 1u of rack space.
The newly released Control Center 13.2 software is not only fully compatible with smots™ HD but also delivers once-click tags, a new uncluttered interface, quick export and many more user enhancements.

Session Management
New to 13.2, Session Manager means that you can create sessions, add tags to the sessions, and export the session from anywhere on the network. Video can be exported directly from the simulation area to USB, a network drive or smots™ Portal, if available. There is even an auto checkin/out feature meaning that students can securely export their own clips without the need for staff intervention.

One Touch Tagging
One-touch tagging means that assessing clinicians can instantly add comment with a single touch from any network connected device. This could be a PC, tablet or phone. Sets of custom icons can be preloaded for each scenario and later analysed. These tags can be exported with the video as either assessment profiles or just simple feedback comments for students.

Fully HD
The new HD smots™ boxes (SC701HD) give full 1080P resolution and have numerous inputs (HD, 3G-SDI, Y/C) to allow connection to a wide variety of cameras and other devices. The smots™ Mobile Trolley is the perfect host for a number of smots™ boxes to allow mobility across the campus. Many users opt for a mix of mobile and fixed units. They are all accessible anywhere on your network and the recorded material available for instant (and simultaneous) playback. You can even webcast it if you wish, live!

smots™ Control Center 13.2
Giving complete clarity to the clinician

NEW streamlined and intuitive software

smots™ Control Center software giving the user the maximum viewing area

www.smots.org
Hi-Definition

smots™ SC701HD gives FULL HD resolution of 1920 x 1080p connectivity to cameras, operating microscopes, computers, laparoscopes, endoscopes, anything with a digital output.

Inputs include HDMI, S-Video, HD-SDI and audio. The HDMI interface allows connection to Displayport and DVI with a simple adaptor cable.

The smots™ SC701HD means you can connect any device in any environment to smots™ Control Center soft-ware to view and record anywhere.

Full 1080p Hi-Definition
Full screen image display
Choice of image ratio (16:9, 4:3)
Lightning-fast export of clips

smots™ Control Center

smots™ HD Trolley Range

SC737HD smots™ HD 1080p mobile trolley comprising HD camera, Loudspeaker, Microphone & Ext, ACCESS arm
SC737HD2 smots™ HD 1080p mobile trolley comprising HD camera, HD aux input, Loudspeaker, Microphone & Ext, ACCESS arm
SC737HD3 smots™ HD 1080p mobile trolley comprising HD camera, dual HD aux inputs, Loudspeaker, Microphone & Ext, ACCESS arm

All variants except SC737HD3 available with battery pack

HD Mobile Trolley for Specialist Applications

• High definition 1080p ptz camera
• Auxiliary input for high definition theatre cameras
• Compatible with Cardiac Catheter Lab monitors
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• Compatible with Da Vinci robotic system

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