CVU 27-11-2012

Nov 2012 SE Lasse Melbye

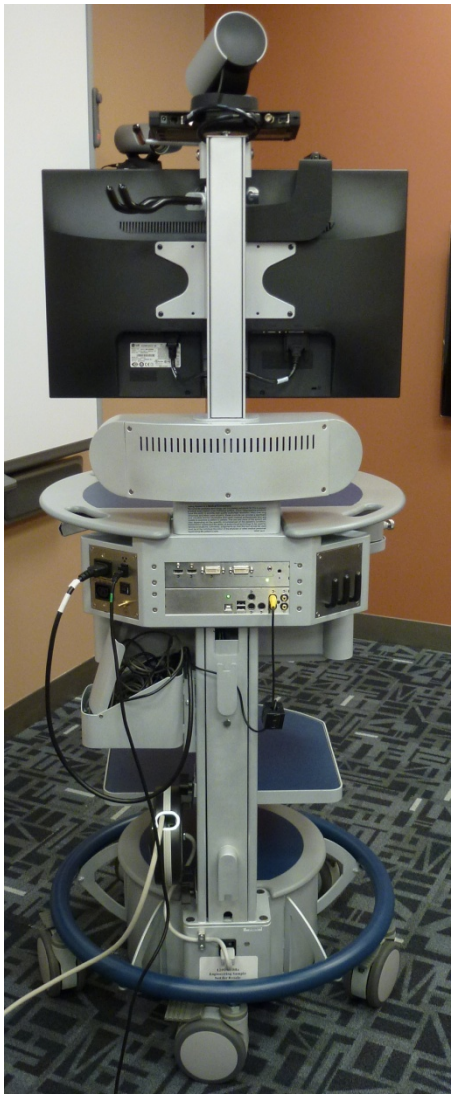
Agenda

- VX CA
- VX CPS
- VX Tactical
- TC 6.0 TE 6.0
- ISDN LINK
- Jabber 9.x for iPad
- Education løsning

VX CA

Clinical Assistand

VX Clinical Assistant

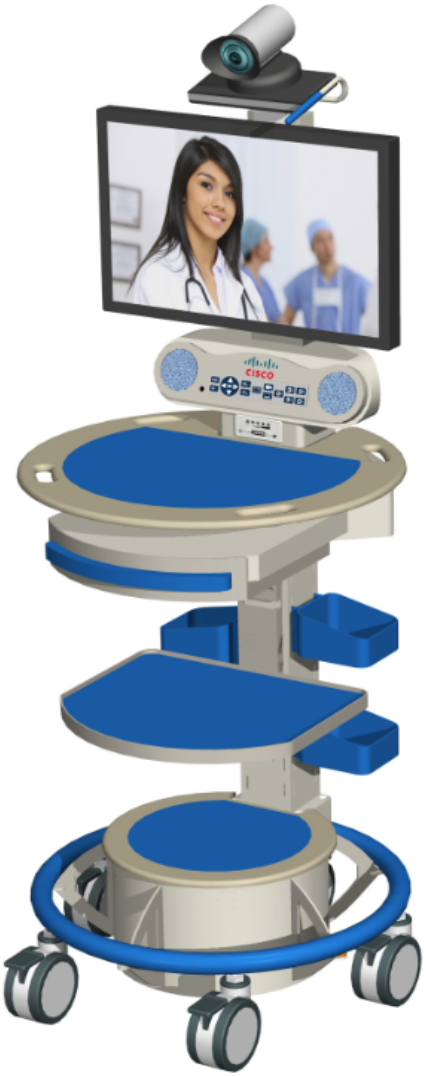


Overview VX Clinical Assistant

1. System Overview
2. Operation
3. Accessory Details

System Overview: Purpose

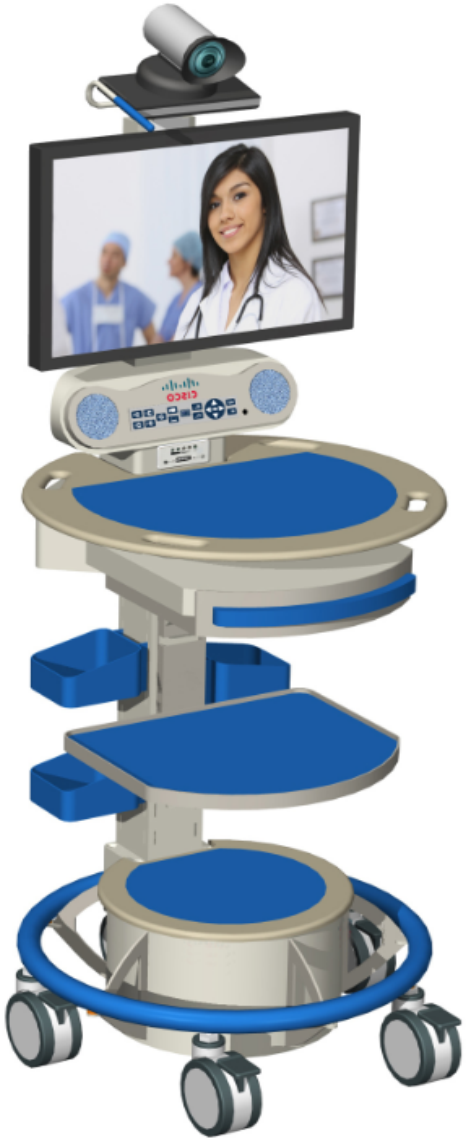
- Remote Consultations/Training
- Developed with direct input from clinical healthcare professionals
- Accepts a wide variety of HD & SD Sources
- Wide variety of storage & shelf options designed for medical devices, laptops
- Approvals and Compliance
  - CSA C22.2 No. 601.1 and UL 2601-1 2nd Edition
  - FCC-47 CFR Part 15
  - FDA Class I Medical Device Data System (MDDS)



Diameter: 27” / 68cm Height: 67” / 170cm

Weight: 170lbs / 77kg (no accessories)

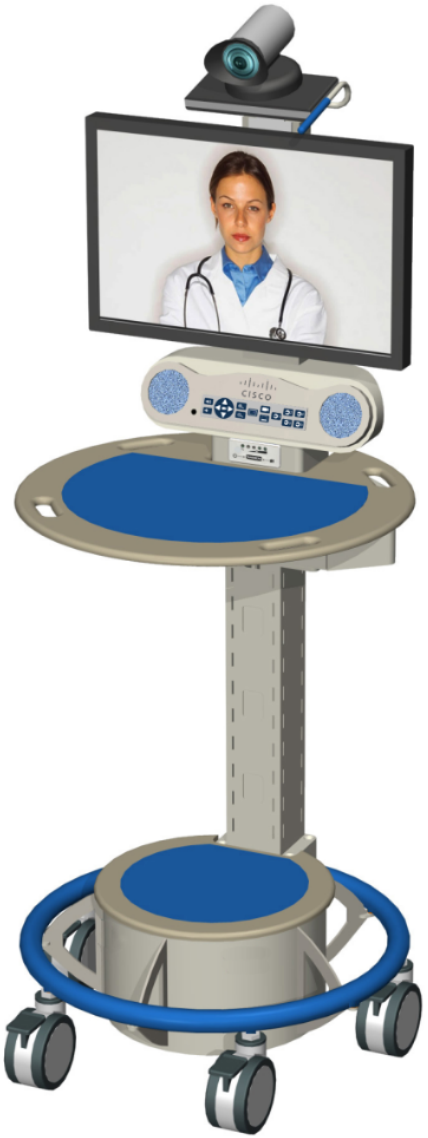
System Overview: Versions



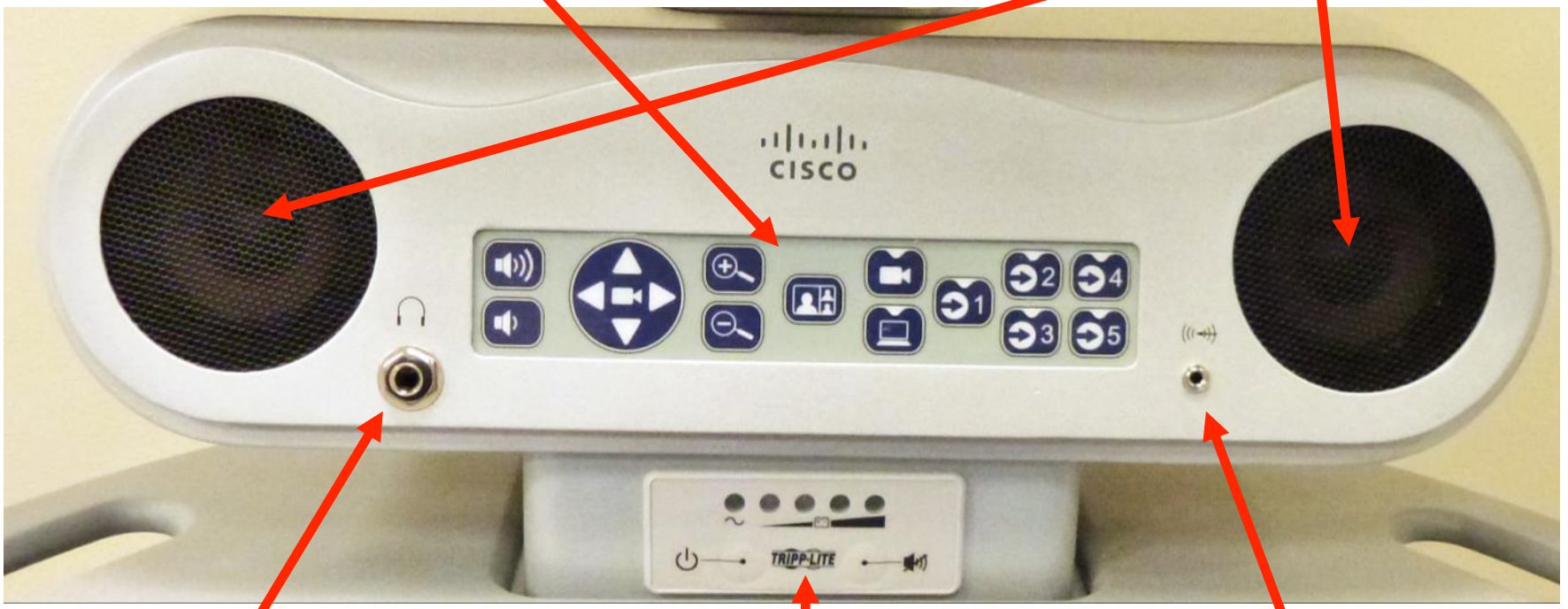
- Single 24” / 60cm Display
- Ships with 4x Zoom1080p Camera, 12x optional
- C20 Codec with Dual Display Option, Natural Presenter Package (NPP) & HD Resolution. *
  - Premium Resolution is an option

All configurations include battery and Isolation transformer/ battery charger

240V Version, PID: CTS-CA-P240-K9



System Overview: Buttons and Speakers



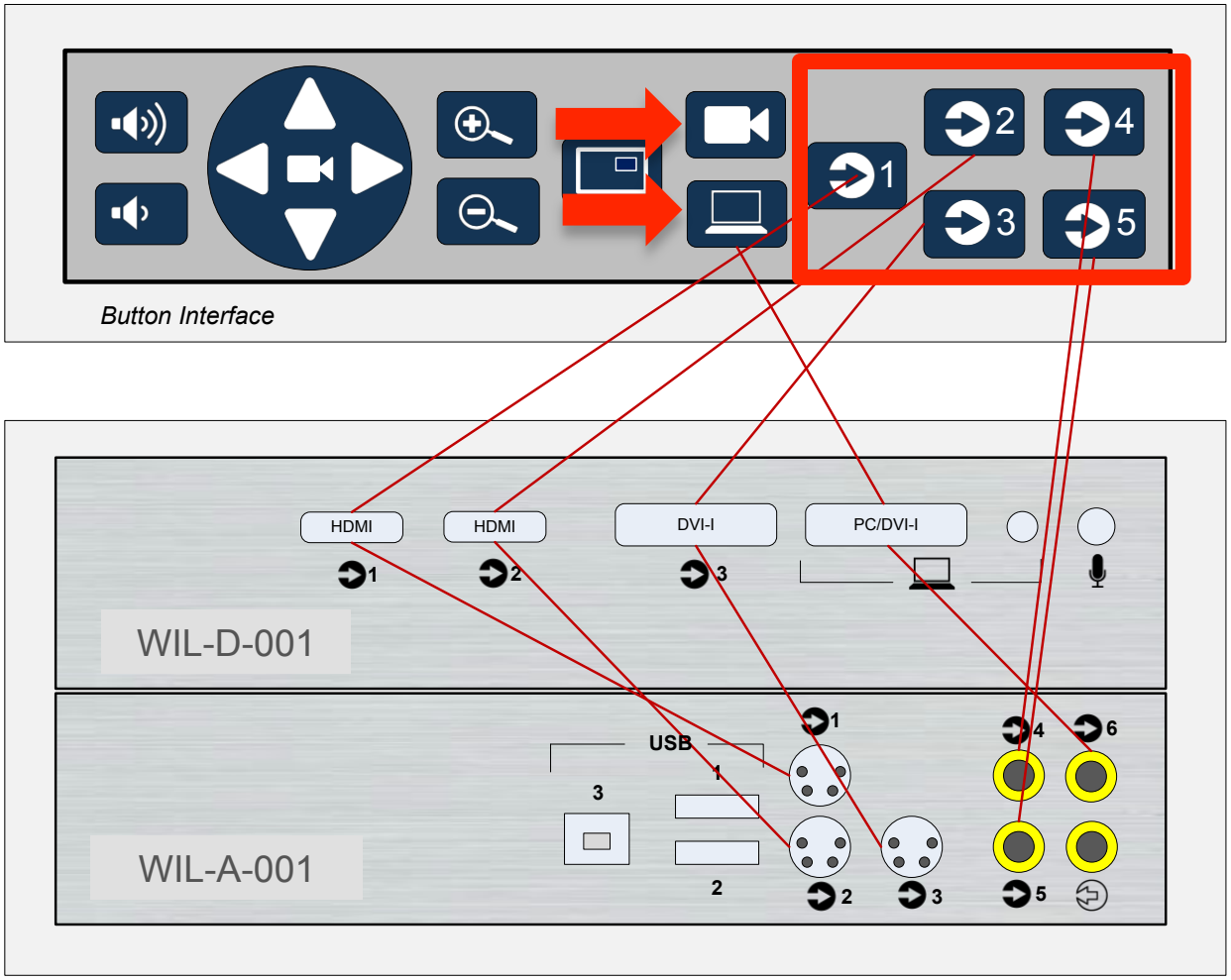
System Operation: Front Button Panel Operations

- Most common buttons needed in typical telepresence meeting.
  - Local Volume Control
  - Main Camera Pan/Tilt
  - Main Camera Zoom
  - Local Layout (selfview & source view)
  - Main Camera Selection & Stop Presentation
  - Presentation (H.239) Source Selection.

General Exam Cameral

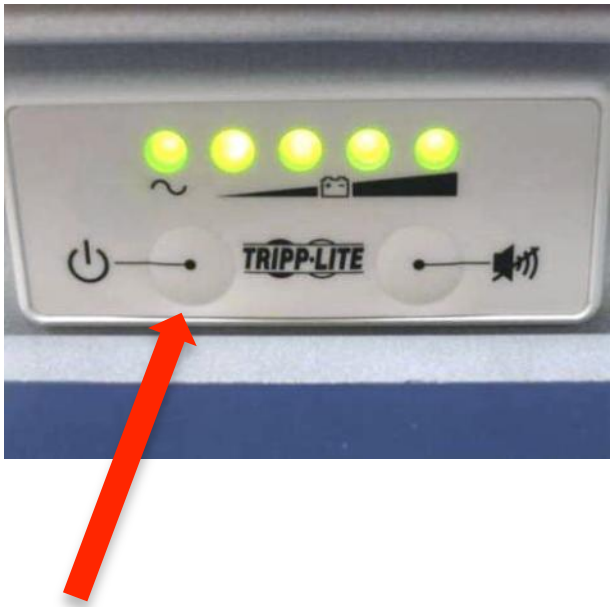
Otoscope

System Operation: Front Button Panel Operations

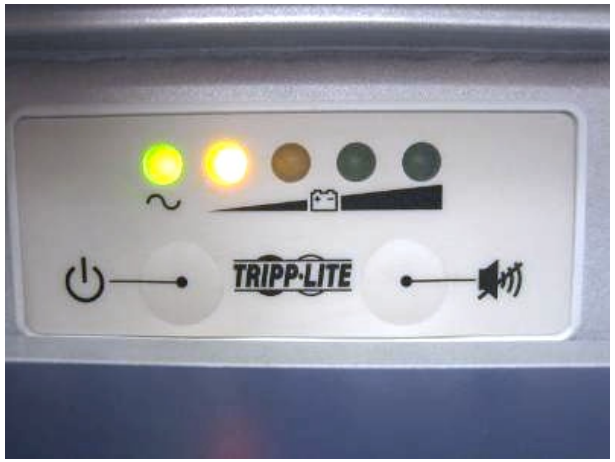


* Priority is given to HD sources over SD sources if both are connected to the same input selection

System Operation:
Main Power Button & LED Power Indicator



Main Power Button



Low Battery
(approx 10 min remaining)

Low Battery
Alarm Mute Button

System Installation: User Options

Scope Hooks
ACC-CA-SH

Wireless Access Mount
ACC-CA-WM
* Not the access point

Storage Pods
ACC-CA-SP

Retractable Power Caddy
ACC-CA-RC

Laptop Tray
ACC-CA-LT

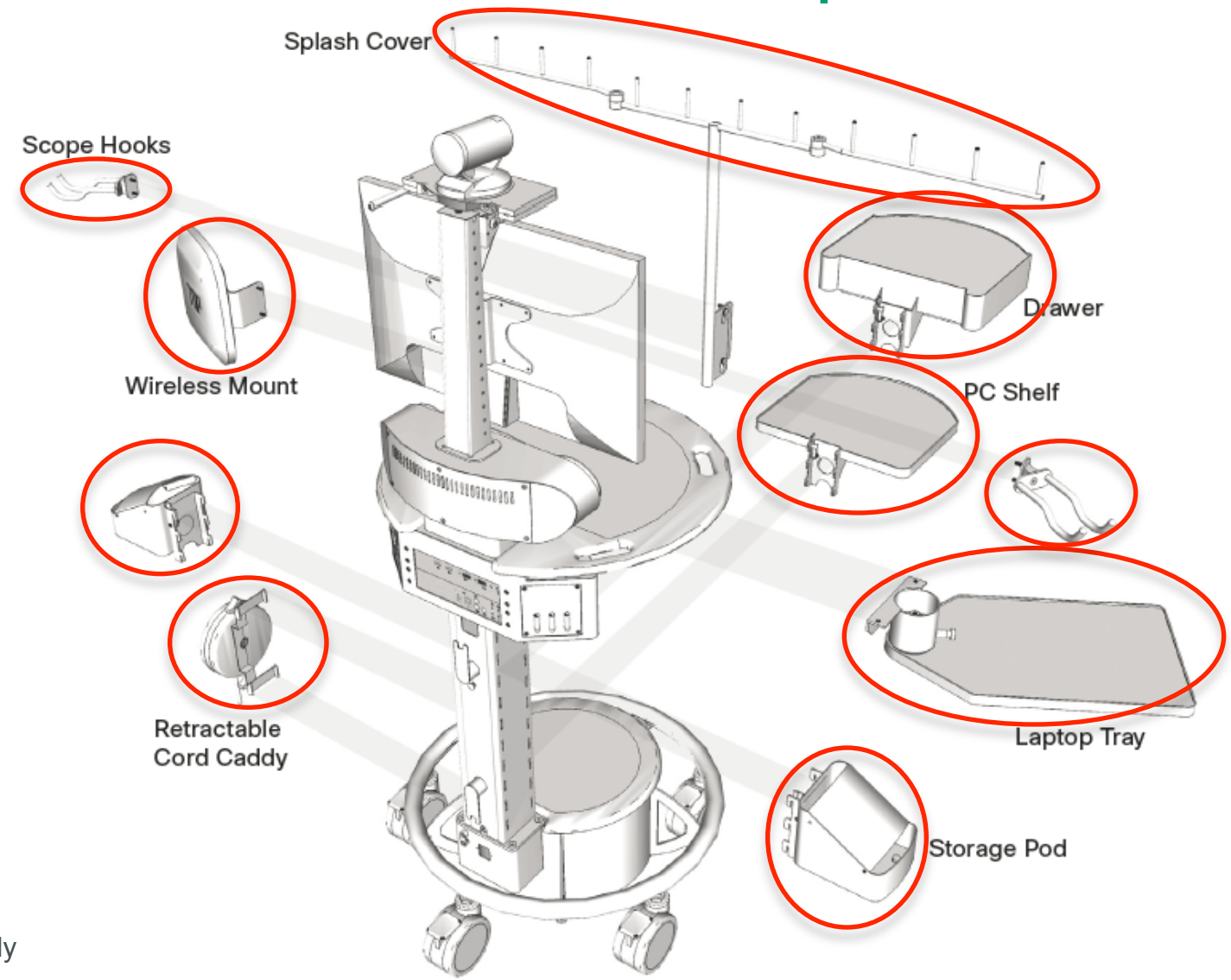
PC/Storage Shelf
ACC-CA-SM

Storage Drawer
ACC-CA-DM

Splashguard & Cover
ACC-CA-SC

Storage Cabinet
ACC-CA-CM
Under development

Retractable Network Caddy
ACC-CA-RN
Under development



VX CPS

Clinical Presence System

Training Overview
Clinical Presence System (CPS)

- System Overview
- Operational Explanation
- Technical Details/

System Overview – Purpose

- Developed with direct input from clinical healthcare
- Wide variety of storage options designed for medical devices, laptops, PCs, keyboards, and light sources
- Adjustable scope holders and ancillary storage pods
- Remote Consultations/Training
- CSA C22.2 No. 601.1 and UL 2601-1

System Overview – Versions

- AC Only Powered Versions
  - Dual folding 24” Display
- AC and Battery Powered Version
  - Single 24” Display

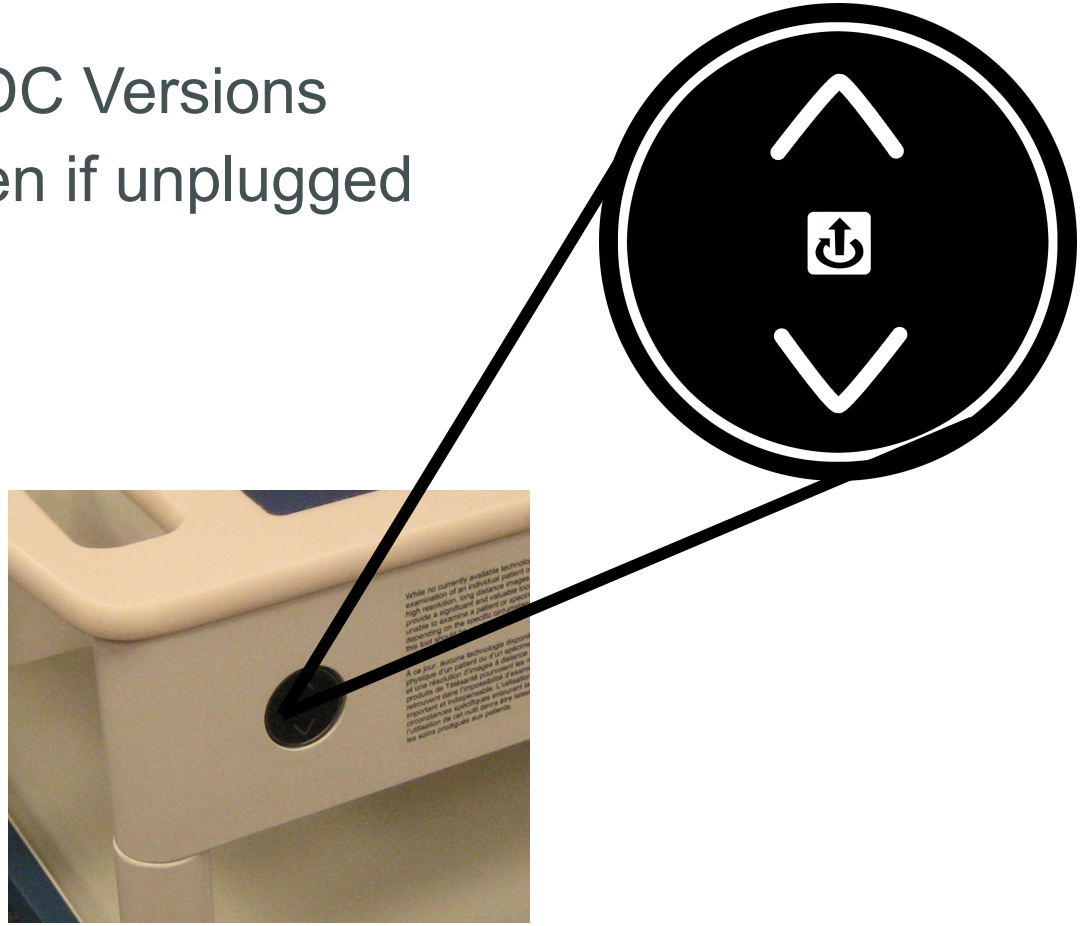
- Ships with C40 Dual Display Option enabled
- Multisite optional
- CSA C22.2 No. 601.1 and UL 2601-1
- Approximately 3.5 Hours runtime on full battery charge

All configurations include battery and battery charger for lift mechanism

System Overview – Versions

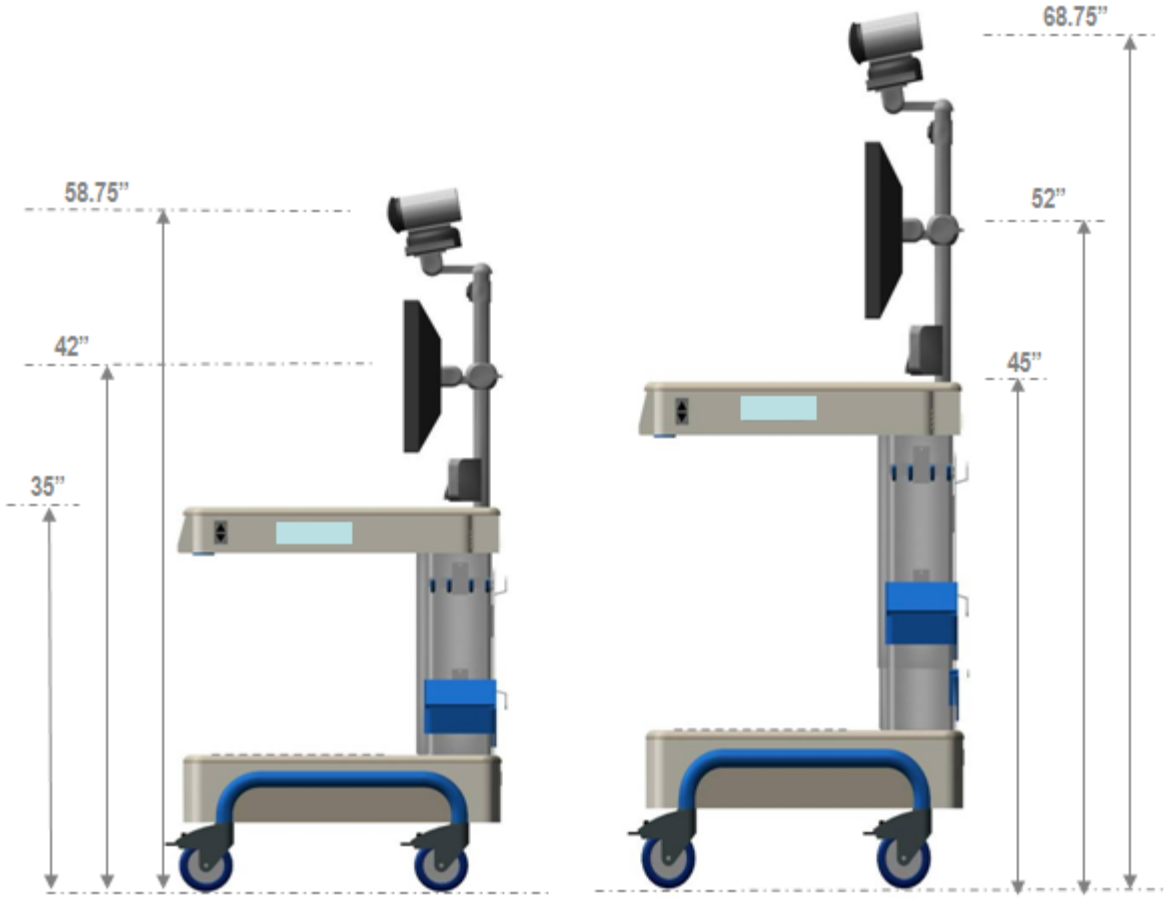
System Overview – Operation

- Lift Control
  - Both AC and DC Versions
  - Functional even if unplugged



System Overview– Lift Control

- Because lift has its own battery, it will operate 30 – 40 times while the system is not plugged in to outlet
- Battery for lift is recharged while unit is plugged in to wall
- 10” of lift capacity



VX Tactical

Cisco Telepresence VX Tactical

A light-weight ruggedized system offering mobility with HD quality video. In addition to the military, target verticals would include construction, oil & gas, emergency response, etc.

VX Tactical Agenda:

- Product Overview
- Functional Overview
- Installation, Operation
-

Over view

- Water-, sand-, impact-, chemical- and corrosion-resistant case providing portability, durability, and functionality
- SX20 Quick Set codec featuring HD video and content sharing
- Embedded 1080p HD camera and integrated speakers and microphone
- Sunlight readable, optically bonded, 17.5-inch 720p60 HD display that is 3x stronger than standard screens
- IP67 (closed)
- Option Individual transcoding embedded MultiSite 1+3
- 12-32 VDC through DC-DC convertor

Product Overview

- The Tactical MXP was a historical Tandberg product, with a ruggedized briefcase form factor suited for personal or team use in military field operations, medical emergency response, etc.
- Product was EOLd in 2010 due to aging codec platform and trouble securing components from third party suppliers

Target vertical is the military, with potential in other verticals

First Responder community

- Need: Quick access to experts to gauge severity of the disaster.
- Used in Haiti by Cisco Tactical Ops team, in San Diego by Fire First Responders .

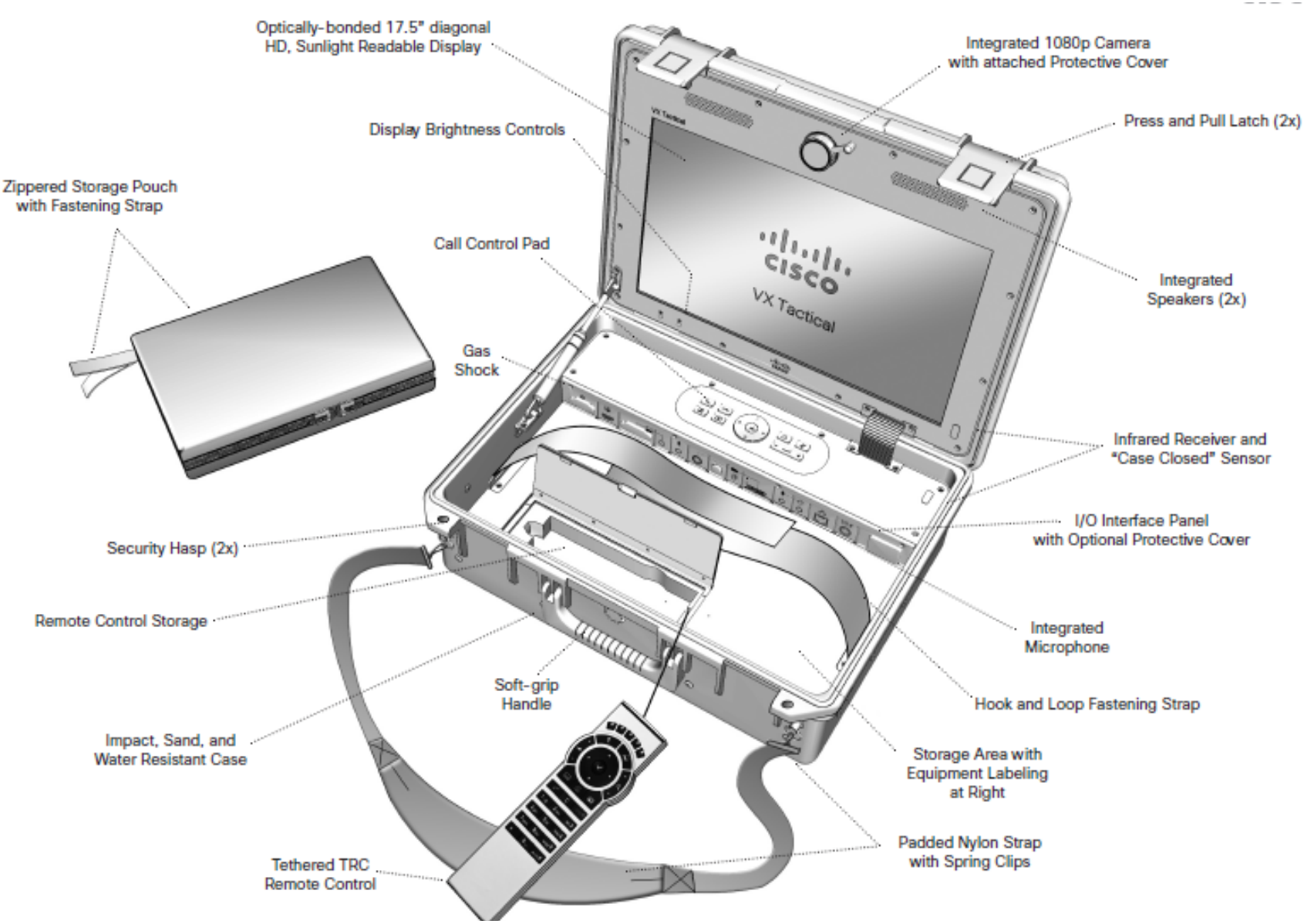
Construction

- Need: Bring engineering/architectural help to the construction site, too expensive to constantly travel to construction sites for consultation.

Oil and gas

- Need: Visual communication to track oil fields stats.
- Desire to reduce transportation and manpower to the fields.

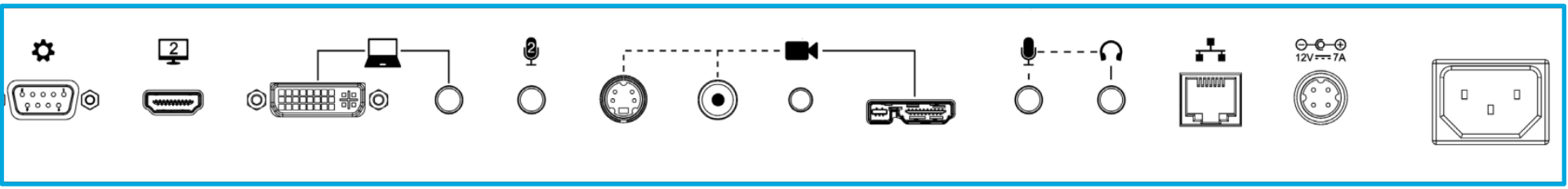
Design Features



UI

Simplified Preliminary User Interface so that one can have quick access to basic functionality. Tethered Remote control will also be included for full functionality

Built on a SX-20 codec w extra I/O capabilities



Inputs

(Internal mic and embedded camera main inputs)

Video

- HDMI (switch on sense)
- Comp or S video (switch on sense)
- DVI (direct to codec)

Audio

- Computer in (direct to codec)
- 2nd Mic In (direct to codec, 4 pin)
- Headphone Mic Input

Outputs

(Internal speakers and 17.5" screen main output)

Video

- HDMI 2nd Monitor

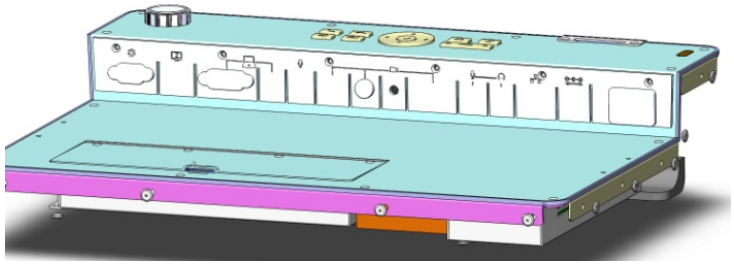
Audio

- Headphone Out

Included Accessories

- **Remote**

- **I/O Cover**



- **Shoulder Strap**

- **DC_DC Converter**

- **Cables:**
  - Country Specific Power
  - LAN
  - Video - VGA to DVI, HDMI
  - Second Camera Y-cable

DC to DC Converter

Model # NS1270-1706

Technical Information

Input Voltage	11 to 32 Vdc, 24 VDC, 28 VDC
Output Voltage	12 Vdc
Output Current	7 amps (max)
Connector	2.5mm x 5.5mm
Auto Input Cable	36 inches
Airline Input Cable	n/a
Output Cable	36 inches
Fuse	15 amps
Size	5.0 x 3.0 x 1.15 in
Weight	12 ounces
Warranty	3 years

TC 6.x or TE 6.x

on EX90 and EX60

Software Releases

EX
MX
SX

TC5.1

CUCM native registration
CTMS interop (TIP/MUX)
OBTP

TC 6.0

CUCM /CTMS encryption
AS-SIP Phase 1
Medianet
Support for ISDN Link
Improved video layout control
EX support

TC 6.1

CUCM features (from TE6.0)
Voicemail indicator
Call forward all
Consultative transfer
Shared Lines
Ad-hoc conferencing
Remote Expert support

Shipping today | Target Dec 15th | H1 CY13

EX

TE 6.0

Voicemail indicator
Call forward all
Consultative transfer
Shared Lines
Ad-hoc conferencing
Remote Expert support

Target Nov. 1st

TE6/TC6 Clarification

- All products (including EX Series) will continue to ship and operate with TC software.
- If you wishes to take full advantage from the new UC features for EX Series, the TE6 file will be downloadable from Cisco.com.
- Target date is November 1st for TE6
- Target date is December 15th for TC6.

Summary:

All endpoints (EX Series, SX, MX, C Series and Profiles) will have TC software preinstalled. TE6 will be available for download for the EX Series in order to fully utilize the CUCM centric UC features. All other customers operating a VCS environment will continue to use the TC software platform.

Why is there a change to TE and TC?

- The TE/TC split was done in part to allow additional focus on CUCM for personal endpoints.
- It is now critical to our "**Complete Portfolio Advantage**" to have all essential UC features across the entire Telepresence portfolio.
- Combining the features in TE/TC software will take place in in TC 6.1 after TE6.0 and TC6.0 have been released.
- Reducing support on TE6 to CUCM only allows for a focused release and to minimize support risks until TC6.1 is delivered.

TC6.0 Features

- 1080p60 Support on codecs
- Improved video layout control on Cisco Touch
- Support for ISDN link
- CTMS encryption
- Downspeeding in Multisite
- Local phonebook support on web-ui

TE6.0 specific Features

- Improved User Interface
- Remote Expert Support
- Shared Line
- Consultative Transfer
- Forward All Calls
- Adhoc Conferencing
- Voicemail
- Bluetooth

Changes toTE6.0 for EX

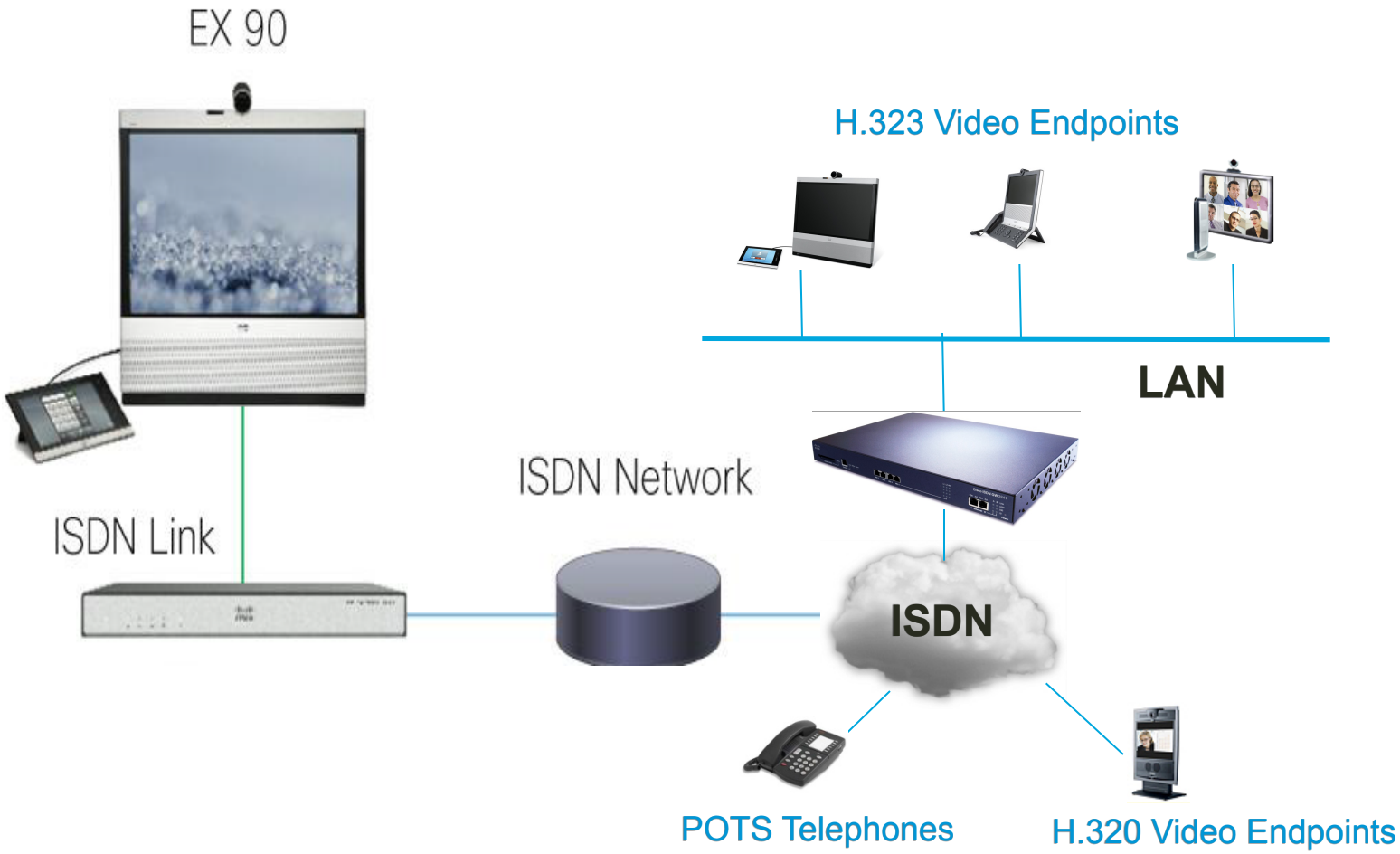
- Remove support for all SIP proxy types except for CUCM (Cisco)
  - Standard (VCS), Alcatel, Avaya, Microsoft, Nortel, Broadsoft
- Remove support for Multiway (UI and API)
- Remove all H323 support (UI and API)
- Remove all provisioning support except CUCM provisioning (UI and API)
  - VCS, WebEx Telepresence (fka Callway), TMS
- Remove support for release keys
- Only support BestEffort Encryption
- No Software PIDs or Licenses are required as firmware will follow normal CUCM endpoint distribution model

Telepresence ISDN Link

Cisco TelePresence ISDN Link

Use cases for ISDN GW and ISDN Link

- ISDN Link
- TelePresence ISDN Gateway

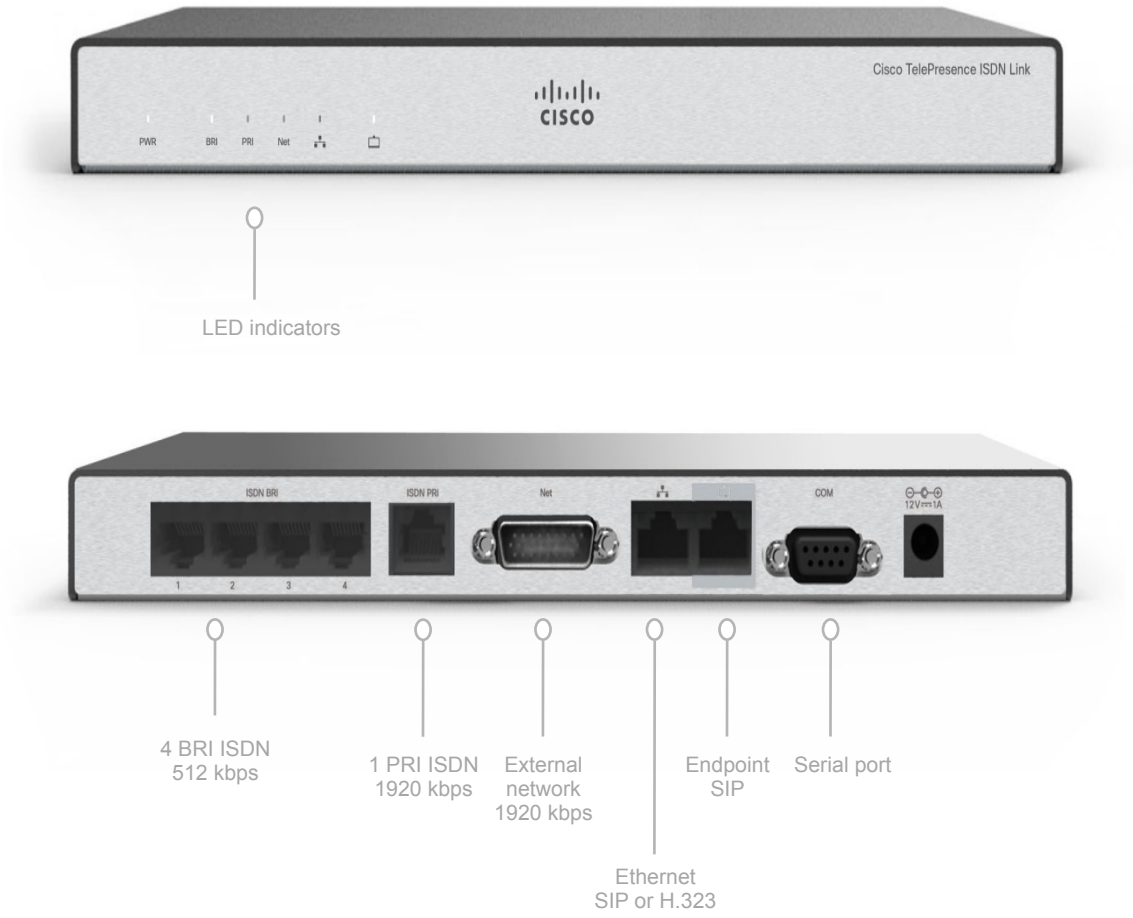


Cisco TelePresence ISDN Link

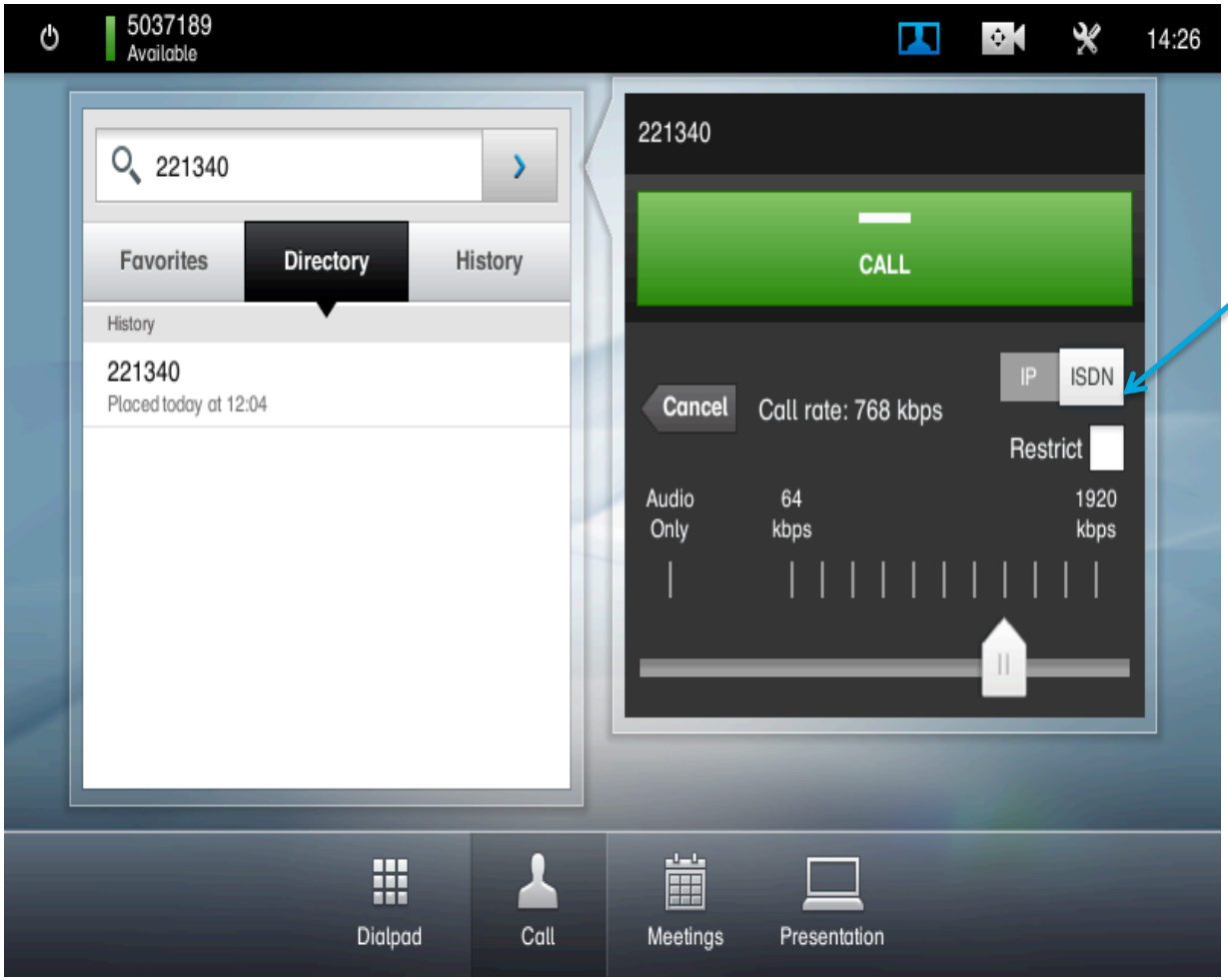
A breakout box for in-room ISDN and/or V.35 for EX- , MX-, SX- and C-series

4 BRI, 1 PRI or
External Network
(V.35/RS530/RS449/RS366)

Use ISDN or External Network as main connection,
back up or for external calls



ISDN Link from Touch



- Dial from phonebook
- Select ISDN on Touch to call via Link
- Can also set call protocol direct in callstring eg:

  h320:221340

Medianet

What's Cisco MediaNet - Mediatraces

Common Feature

Medianet is

An Architecture/Blueprint for successful deployment of multiple media and business critical applications

Medianet is **not**

A product, SKU, or a marketecture to describe just QoS/CAC

Mediatraces is

A Cisco IOS feature that discovers the routers and switches along the path of an IP flow, and collects critical information hop by hop on specific media streams as they traverse the network. It's a diagnostic tool similar to traceroute, that should be enabled on each of the network nodes you want to collect information from.

MediaNet – Mediatraces

Common Feature

1. We're having bad image, what do we do?

TP Room 1
Room with poor video quality

2. Prime Collaboration Manager is pro-active informing that TP room 1 is suffering congestion

Administrator in front of PC detecting that there is a problem

3. With few clicks and remotely, administrators can fix the routers issues

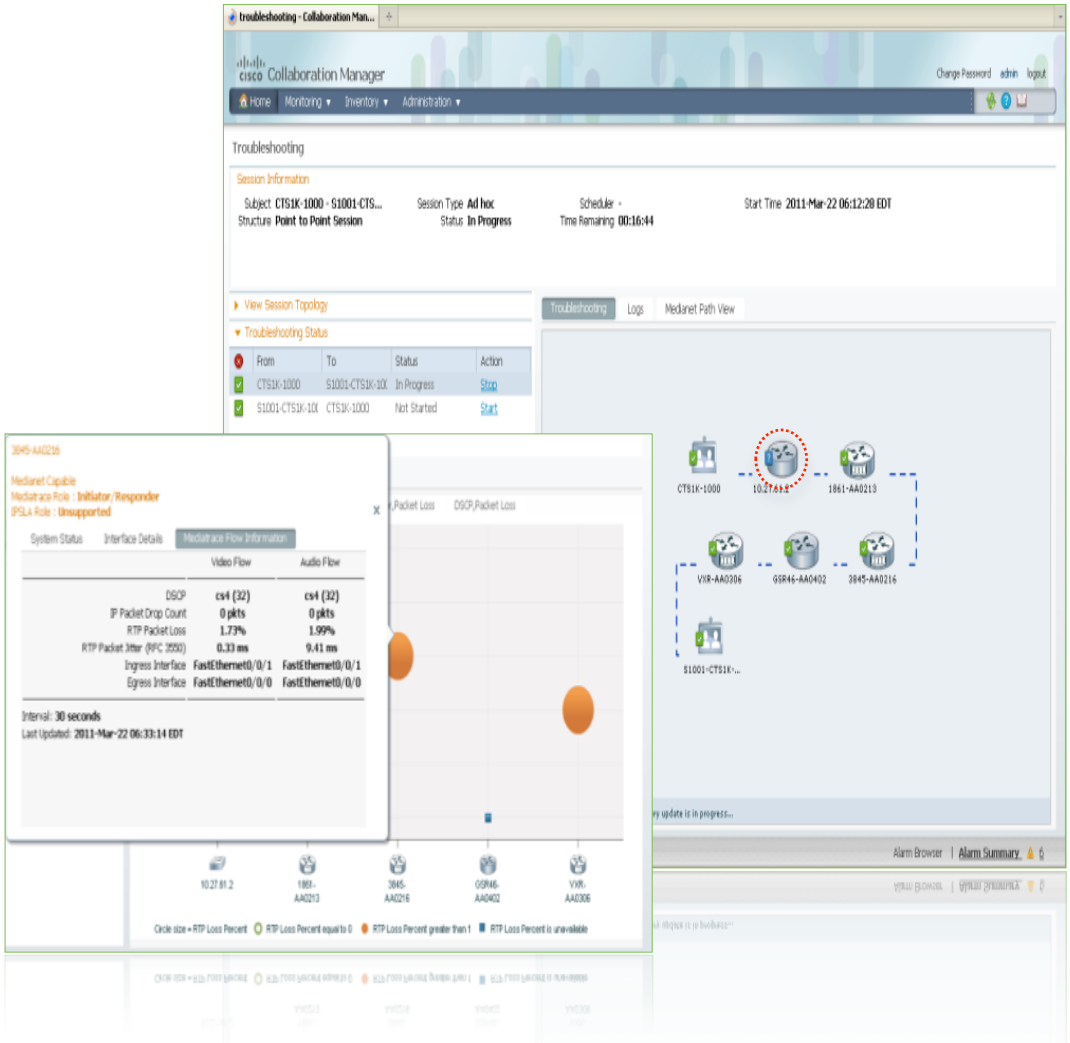
Administrator fixing the problem

4. Oh!, Now it's fixed, and we didn't do anything

Great quality re-established

MediaNet – Mediatraces

Common Feature



Cisco Prime Collaboration Manager helps perform active and pro-active troubleshooting for video collaboration

MediaNet – Metadata
Common Feature

TelePresence

Physical Security

HTTP Streams

- Video marked as “TelePresence” at origin
- Monitor only the flows that matters
- Sift through mountains of data
- No deep packet inspection (DPI)
- Works for encrypted calls

Medianet – Mediatrace
Common Feature

Mediatraces information collection methods:

- By issuing an exec command to perform on-demand collection of statistics (reactive method)
- By configuring Cisco Mediatrace to start a recurring monitoring session at a specific time and on specific days (pro-active method)

Note: Cisco Prime Collaboration can be used as a pro-active tool to monitor Telepresence room Status by using Mediatrace

Medianet - Metadata
Common Feature

Medianet - Metadata:

The Medianet metadata component allows applications to convey information to the network. This allows appropriate policies to be applied to rich media applications while preserving enterprise security policies.

The tagging can be even added to encrypted traffic since it's using an out of band signal. The MSI uses RSVP as a transport to create a second 5-tuple that follows the same path and is inspected by the different intermediate systems along the way.

Medianet – Mediatrace
Common Feature

New in TE/TC/TX 6.0:
Telepresence end-points will include a MediaNet MSI that sends application ID/Globally Unique Session ID as part of the traffic stream and session set up

Media Services Interface (MSI): is a software component that enables end-points to consistently take advantage of intelligent network services to improve the quality of experience and reduce the cost of deployment and operations.

Medianet – Mediatrace
Common Feature

MediaNet – Mediatrace Resources:

Quick Start Guide
http://www.cisco.com/en/US/solutions/collateral/ns340/ns856/ns156/ns1094/whitepaper_c11-653899.pdf
Deployment Guide
http://www.cisco.com/web/solutions/medianet/docs/guide_c07-684466_v2.pdf
Configuration Guide
http://www.cisco.com/en/US/docs/ios/media_monitoring/configuration/guide/mm_mediatrace.html
Configuration Guide PerfMon:
http://www.cisco.com/en/US/docs/ios/media_monitoring/configuration/guide/mm_pasv_mon.html

Thank you.