Cisco Virtual Update

Video Conferencing Solutions

Speaker: Michael Ahrensburg, Consulting Systems Engineer
Q&A: Per Toft, Consulting Systems Engineer
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Many of the products and features described herein remain in varying stages of development and will be offered on a when-and-if-available basis. This roadmap is subject to change at the sole discretion of Cisco, and Cisco will have no liability for delay in the delivery or failure to deliver any of the products or features set forth in this document.
Professional-grade Video Collaboration
...for Every Meeting Space and Every Knowledge Worker

- Best experience in the industry
- Collaboration focused
- Easy to use
- Pervasive

...for the next gen meeting spaces
Shared spaces, open spaces, wireless environments
Meeting rooms, Huddle rooms, Collaboration rooms, and more.
Project Workplace
Video enabling your workspaces

Visualize spaces
Optimize video experience
Increase collaboration

www.cisco.com/go/projectworkplace
Room and integrator sets - Agenda

• Hardware recap
  • New SX20, MX200, and MX300 bundles
  • SX10N
  • Ceiling microphone

• Software recap and feature overviews
## Current SX20 Bundles

<table>
<thead>
<tr>
<th></th>
<th>P20 bundle</th>
<th>P40 bundle</th>
<th>12x bundle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLD SKU</td>
<td>CTS-SX20PHD2.5X-K9</td>
<td>CTS-SX20-PHD4X-K9</td>
<td>CTS-SX20-PHD12X-K9</td>
</tr>
<tr>
<td>NEW SKU</td>
<td>EOS</td>
<td>CTS-SX20N-P40-K9</td>
<td>CTS-SX20N-12X-K9</td>
</tr>
<tr>
<td>Camera SKU</td>
<td>EOS</td>
<td>CTS-CAM-P40+</td>
<td>CTS-PHD-1080P12XS+ (same as before)</td>
</tr>
<tr>
<td>Codec SKU</td>
<td>EOS</td>
<td></td>
<td>CTS-SX20N-CODEC=</td>
</tr>
<tr>
<td>Pricing (GPL)</td>
<td>EOS</td>
<td>9.900</td>
<td>11.900</td>
</tr>
</tbody>
</table>

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## Contents of new SX20 bundle

<table>
<thead>
<tr>
<th>Features</th>
<th>SX20 (Old bundle)</th>
<th>SX20 (New bundle)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cisco TelePresence Table Microphone 20</td>
<td>CTS-QSC20-MIC+</td>
<td>CTS-MIC-TABL20 WHITE backside</td>
</tr>
<tr>
<td>Presentation Cable</td>
<td>CAB-DVI-VGA-3.5MM-</td>
<td>N/A</td>
</tr>
<tr>
<td>HDMI Presentation cable 8m Grey. (Optional)</td>
<td>N/A</td>
<td>CAB-DVI-HDMI-8M</td>
</tr>
<tr>
<td>DVI to VGA w/audio, Grey 8m (Optional)</td>
<td>N/A</td>
<td>CAB-DVI-VGA-8M</td>
</tr>
<tr>
<td>Remote Control . (Included)</td>
<td>CTS-RMT-TRC5</td>
<td>CTS-RMT-TRC6</td>
</tr>
</tbody>
</table>

CTS-SX20N-12X-K9  
CTS-SX20N-P40-K9
## Contents of new MX200 G2 bundle

<table>
<thead>
<tr>
<th>Features</th>
<th>MX200 G2 (Old bundle)</th>
<th>MX200 G2 (New bundle)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cisco TelePresence Table Microphone 20</td>
<td>CTS-QSC20-MIC+</td>
<td>CTS-MIC-TABL20 WHITE backside</td>
</tr>
<tr>
<td>Presentation Cable</td>
<td>CAB-DVI-VGA-3.5MM-</td>
<td>N/A</td>
</tr>
<tr>
<td>HDMI Presentation cable 8m Grey. (Included)</td>
<td>N/A</td>
<td>CAB-PRESO-2HDMI</td>
</tr>
<tr>
<td>DVI to VGA w/audio, Grey 8m (Optional)</td>
<td>N/A</td>
<td>CAB-DVI-VGA-8M</td>
</tr>
<tr>
<td>Multi-connector presentation cable. HDMI, DP, MiniDP (Optional)</td>
<td>N/A</td>
<td>CAB-HDMI-MULT-9M</td>
</tr>
</tbody>
</table>

- Similar new SKU and bundles for MX300 G2
- New Front Bezel SKU for MX200 and MX300
  - CTS-MX200-FB= (coming soon), CTS-MX300-FB=     

Available now

Coming soon
New SX10 QuickSet – SX10N

New SX10 QuickSet hardware revision that includes a front facing dedicated ultrasound speaker.

- New PID: CTS-SX10N-K9
- The official name is still Cisco TelePresence SX10 QuickSet
- CTS-SX10N-K9 will support both on-premise and Spark registration
- Provides better control of the Spark experience
### SX10 vs. SX10N bundles & options

<table>
<thead>
<tr>
<th>Features</th>
<th>SX10</th>
<th>SX10N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cisco TelePresence SX10 Quick Set PID</td>
<td>CTS-SX10-K9</td>
<td>CTS-SX10N-K9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CTS-SX10NCODEC+ (Spare)</td>
</tr>
<tr>
<td>Cisco TelePresence Table Microphone 20(OPTIONAL)</td>
<td>CTS-QSC20-MIC</td>
<td>CTS-MIC-TABL20</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WHITE backside</td>
</tr>
<tr>
<td>Screen Mount for SX10 Quick Set (OPTIONAL)</td>
<td>BRKT-SX10-SMK</td>
<td>BRKT-SX10-SMK</td>
</tr>
<tr>
<td>HDMI Cable (OPTIONAL)</td>
<td>6M BLACK: CAB-2HDMI-6M</td>
<td>8M GREY: CAB-PRESO-2HDMI</td>
</tr>
<tr>
<td>VGA Cable (OPTIONAL)</td>
<td>6M BLACK: CAB-2VGA-6M</td>
<td>8M GREY: CAB-VGA-8M</td>
</tr>
<tr>
<td>Cisco TRC 6 remote</td>
<td>DEFAULT: CTS-RMT-TRC6</td>
<td>DEFAULT: CTS-RMT-TRC6</td>
</tr>
<tr>
<td>Power supply</td>
<td>OPTIONAL: PWR-SX10-AC</td>
<td>DEFAULT: PWR-SX10-AC</td>
</tr>
<tr>
<td>Touch 10 (OPTIONAL)</td>
<td>CTS-CTRL-DVX-10</td>
<td>CTS-CTRL-DVX-10 (*)</td>
</tr>
</tbody>
</table>

* Currently only for on-premise registration, not Spark
## SX10 vs. SX10N feature highlights

<table>
<thead>
<tr>
<th>Features</th>
<th>CTS-SX10-K9</th>
<th>CTS-SX10N-K9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premium Resolution</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Performance</td>
<td>1080p30</td>
<td>1080p30</td>
</tr>
<tr>
<td>Performance w/content</td>
<td>1080p30/1080p5</td>
<td>1080p30/1080p5</td>
</tr>
<tr>
<td>Microphones (shipped/supported)</td>
<td>1/2</td>
<td>1/2</td>
</tr>
<tr>
<td>Call signaling</td>
<td>SIP</td>
<td>SIP</td>
</tr>
<tr>
<td>Camera Zoom</td>
<td>5x</td>
<td>5x</td>
</tr>
<tr>
<td>Proximity sensor</td>
<td>Through external speakers (HDMI or audio output), therefore not supported for Spark</td>
<td>Internal</td>
</tr>
</tbody>
</table>
Cisco Ceiling Microphone
CTS-MIC-CLNG-G2

Discreet design combining frosting and clear materials to blend into the ceiling

Unique L-shaped design for large pickup range, and shielding the microphone from noise sources in the ceiling

Easily adjustable wires
Ethernet cable for Audio signal

High quality, low noise microphone element

Base PID: CTS-MIC-CLNG-G2

MiniJack or Euroblock plug, support all SX and MX products
Grommet to finish mounting hole
# Ceiling Microphone Comparison

<table>
<thead>
<tr>
<th></th>
<th>Ceiling Microphone</th>
<th>Audio Science w/mounting kit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td>75x55x27 cm 29.5x21.6x9.8 in</td>
<td>130x70x30 cm 51.2x27.6x11.8 in</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>4 kg/8.8 lbs w(packaging)</td>
<td>15 kg/33 lbs w(packaging)</td>
</tr>
<tr>
<td><strong>GPL price inc. mounting</strong></td>
<td>$1490</td>
<td>$2325</td>
</tr>
<tr>
<td><strong>Mute indicator</strong></td>
<td>Yes, LED</td>
<td>No</td>
</tr>
<tr>
<td><strong>Product compability</strong></td>
<td>All MX and SX products (including MX200/300, SX20)</td>
<td>SX80 and MX7/800 only</td>
</tr>
<tr>
<td><strong>Shipping</strong></td>
<td>1 box</td>
<td>2 boxes</td>
</tr>
</tbody>
</table>
Cameras

• SpeakerTrack 60
  • Includes two Precision 60
  • Identical technology available in MX700/800

• Precision 60 Camera
  • 10x optical zoom / 2x digital
    • 20x total zoom
  • 80° HFOV
  • Basis for camera in MX700/800
• PrecisionHD 12X
  • 12X optical zoom
  • 72° HFOV

• Precision 40 Camera
  • 4x optical zoom / 2x digital
    • 8x total zoom
  • 70° HFOV
  • Basis for camera in MX300

• PrecisionHD 2.5x
  • 2.5 optical zoom / 2x digital
    • 5x total zoom
  • Basis for camera in MX200
CE (Collaboration Endpoint) is an evolution of TC7.x software, it is available on the new endpoint portfolio:

SX10, SX20 (only with touch10 or TRC6 remote), MX200 G2, MX300 G2, MX700, MX800 and MX800 Dual

CE8.x inherits the years of development in TC software while being more streamlined, providing higher quality and higher feature velocity.
Endpoints supporting CE software

**ENDPOINT SUPPORT**

CE 8.x will support only the current portfolio.

TC 7.3.X will continue to support both the previous generation portfolio and current portfolio (in maintenance mode).

*In order to upgrade the SX20 to use CE software, a Touch 10 or TRC6 have to be used as interface control.
CE8.0 Key Features

- Cisco Proximity
- Multistream
- SX80, MX700, MX800 and MX800 Dual feature
  - WUXGA presentation support
- SX20 features
  - Support for new On Screen Display (OSD) with TRC6 remote
- SX10 features
  - 1080p presentation support
- Other
  - Setup assistant password
  - New microphone LED behavior
  - New API commands
  - Remote monitoring changes
CE8.1 Key Features

- General features
  - On-screen display and Touch user interface refresh
  - In-room control on Cisco Touch 10
  - Proximity mouse pointer
- SX80, MX700, MX800 and MX800 Dual feature
  - PresenterTrack
- SX10 feature
  - Cisco Spark™ onboarding
In-room control on Touch10

- Easily control peripherals such as lights, room dividers, curtains, etc. directly from the Touch 10
- Once configured, an icon appears on the Touch 10 in the top right corner; clicking this icon brings up the control panel
- Multiple pages can be configured with various different buttons and sliders

- A third party Control System (e.g. AMX, Crestron, etc) watches the codec output and uses the commands to trigger events
Web-Based and Downloadable Graphical User Interface

A configuration portal is available on the endpoint to configure the in-room controls (Integration > In-room Control > Launch Editor or Download Editor)

- Simple drag-and-drop interface
- Import or export to and from the endpoint or file
- Choose the icon that will appear in the status bar (light bulb or sliders)
Configuration Overview

1. Name the page
2. Name the control row
3. Drag and drop the necessary control widgets to the row
4. Name the widgets
5. To delete, simply drag and drop widgets or rows above the panel
6. Add more rows and pages as necessary
Control system interaction

- Enables the Touch 10 to interface to in-room Control Systems, complimenting their functionality and eliminating the need for many control devices in the same room.

- Control system registers for feedback on events based on user interaction on the Touch10 and performs actions accordingly.
PresenterTrack in CE8.1

- PresenterTrack offers automatic detection of a presenter and automatic tracking of that person as they move about the front of the room.
- The presenter will be kept in view and a high zoom level until they leave the presentation area.
PresenterTrack Configuration Overview

- A Precision 60 camera at the rear of the room is configured to capture the whole presenter area.
- A trigger zone is configured so that when a presenter steps into this area a crop of the presenter is created; the crop follows the presenter wherever they walk within the presenter area.
PresenterTrack Configuration

Step 2: Set trigger zone

1. On the web interface, go to Setup > Presenter Tracking
2. Click “Enable PresenterTrack”
3. Click “Configure”
4. Select the camera to be used, then adjust it using the touch panel to frame the area that will be used by the presenter
5. Set the trigger zone by moving and resizing an outline that will show on the self view
6. Once configured, a new camera preset called “Presenter” will be available for selection
CE8.1 On-Screen Display

- New background image of mountainscape
  - Clock is digital rather than analog
  - New location of room name (beneath the clock rather than in the top left corner)
  - The Touch 10 receives the same mountainscape image when it is selected for the video endpoint screen.

- A simple, neutral background is also available when selecting “none” as the wallpaper

- With “custom” wallpaper configured for the display, Touch 10 remains in neutral mode
CE8.1 Content-Sharing Enhancements

Three options are available:

- **AutoShare** - As soon as a content source is connected, it is presented on the screen and shared with the far end if in a call.

- **Manual** - The user must manually select the content source and then preview or share the content source.

- **OnConnect** - The content source is automatically selected on connection. The user must select preview or share if in a call.

![Video](image-url)
CE 8.1 Proximity Enhancements for Desktop (Windows and OS X)

- Previously, the mouse pointer was not visible, either locally on the endpoint or for the remote participants when sharing with Cisco® Proximity for desktop.

- Now, the mouse pointer is visible, both on the local endpoint and for remote participants.
On first boot, user will be presented with an option to register to the Cisco Spark cloud service.

Choosing “Other services” will allow registration to CUCM (including MRA using Expressway), VCS, or a third-party SIP registrar.

To register SX10N to Spark, the relevant Spark service must have been purchased beforehand.

“A-SPK-NAMED-USER” → Rooms, (i.e. “A-SPK-ND-SR”)
Desktop Video - Agenda

Hardware: DX80-NR/DX70-NR

Software evolution
DX Additions: DX70-NR and DX80-NR

- Remove WiFi and Bluetooth functionality (by removing the hardware) from the DX70 & DX80

**PIDS:**
- CP-DX70-W-NR-K9=
- CP-DX80-NR-K9=
Desk Endpoints (DX) Software

**Version:** 10.2.4  
**Availability:** Fall 2015

**Mobile Remote Access with Expressway**
Support for remote deployment of DX devices through Collaboration Edge

**Jabber 10.6**
Escalation from IM to WebEx, voice or video

**Quality**
Focus on quality, stability

**Version:** 10.2.5  
**Availability:** Now

**Seamless Workflows**
- Better Integration for PC use cases
- Better endpoint control experience from Jabber
- USB Keyboard and Mouse redirect
- HDMI Audio in support

**Ease of Collaboration**
- Search improvements (Contacts, Directories, Recent Calls)
- SIP URI handling for email and calendar
- Support for Alternative UDS servers

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Immersive Rooms - Agenda

- IX8.1 software features recap
- Roadmap
IX8.1 Features

- Intelligent Proximity
- Improved user experience on Touch10
  - Favorites
  - Recent calls
  - Scrollable Directory
  - Live Support
- Other
  - 14 seat configuration
  - Second row camera alignment
  - Remote Touch 10 screenshots
  - Partition Recovery
  - Echo Capture
  - Enhanced Admin CLI Troubleshooting
  - 50Hz flicker reduction + 15fps aux (delivered in 8.0.3)
  - CTMS support deprecated
IX5000 Release 8.1 Overview

Intelligent Proximity

• Up to 18 iOS/Android devices,
• Call control and receive content on mobile devices

Feature Parity

• Similar call experience to legacy immersive and collaboration endpoints in the portfolio
• Eases transition to IX from CTS 3000 and TX Series
Questions?