SECTION 27 41 16

INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT

GUIDE SPECIFICATION

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Specifier: Please see PART 4 for a listing of products specified in this Guide Specification.

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# GENERAL

## UNIFIED COMMUNICATIONS AND COLLABORATION SYSTEMS

## RELATED REQUIREMENTS

### Section 27 15 00 - Communications Horizontal Cabling

### Section 27 41 00 - Audio-Video Systems

# PRODUCTS

## Tabletop Conference System

### Basis of Design Tabletop Conference System

#### Crestron UC-MX-150-T

Specifier Note:

The UC-MX-150-T system provides a complete video conference room solution for use with the Microsoft Teams intelligent communications platform. It supports single or dual video displays, and features the Crestron Mercury® X Tabletop Console, UC Engine Assembly with UC-ENGINE, and Huddly IQ™ camera.

#### Conference system shall include native Microsoft Teams cloud and on-premises Skype support.

The UC-MX150-T system brings the full Microsoft Teams UC experience to any meeting space in an enterprise or SMB facility, whether implementing a cloud based Microsoft Teams deployment, on-premises Skype® for Business software, or a hybrid of the two.

### The Tabletop Conference System shall be composed of the following:

#### System components:

##### Main console unit with the following components and connections:

Specifier Note:

The CCS-UC-1-X provides a superior conferencing and collaboration experience for meeting rooms, huddle spaces, and executive offices. The CCS-UC-1-X delivers a distinctively simple and consistent user experience in every meeting space through its large 7" HD color touch screen. Its integrated AEC-enabled USB speakerphone affords exceptional full-duplex wideband audio performance, with extensive connectivity provided for wired and wireless BYOD laptops and mobile devices.

###### HDMI Input

###### HDBT Output

###### LAN port

###### Microphone

###### Optional external microphone connection

###### Speaker

###### USB Camera and audio ports

###### User interface

##### HD Camera

Specifier Note:

CCS-CAM-USB-F-400

Huddly IQ™ Collaboration Camera

##### Cabling and mounting hardware

### External Device and System Integration

#### Cloud based management service by same manufacturer

#### HDMI wired source device

#### Microsoft Teams

#### Wired or Wireless video via Ethernet connection

Specifier Note:

Wireless operation requires a 3rd party wifi access point.

### Video Presentation

#### The HDMI and presentation gateway shall be internally routed to the Tabletop Conference System’s HDBT output for connection to the room display.

#### The Tabletop Conference System shall include a built-in Ethernet wired or wireless presentation gateway. In wireless Ethernet mode a video source may connect to the system wirelessly via a third party gateway.

Specifier Note:

Wireless operation requires a 3rd party wifi access point.

#### The Tabletop Conference System shall include a USB HD camera for integration with web video conferencing software.

#### The Tabletop Conference System shall include an HDMI input connection for connection of a 1080p60 AV source to the room display.

### Speakerphone

#### The Tabletop Conference System shall include full-duplex speakerphone support.

#### Bluetooth paired mobile device

### Room Occupancy Detection

#### Controlled devices may be powered down in an unoccupied room state.

#### The Tabletop Conference System shall include built-in room occupancy sensing capabilities using motion detection and voice activity for determining occupied or unoccupied status state.

#### Through software management systems an unoccupied room may be made available on the management system calendar.

### Touch Screen User Interface

#### The Tabletop Conference System shall include an integrated touch screen user interface with the following capabilities:

##### Answering voice calls

##### Dialing voice calls

##### Muting microphone(s)

#### The Tabletop Conference System shall support integration with Microsoft Exchange and Crestron Fusion Cloud software management systems. Through software management system the following user interface features shall be supported:

##### Extend meeting end time

##### Look up contacts

##### Manage room schedule

##### Schedule new meeting

##### View meeting progress showing time remaining

### Network Management

#### The Tabletop Conference System shall support:

##### Cloud-based provisioning enabling complete network configuration in advance of hardware installation, with touchless updates following installation.

##### Crestron Fusion Cloud management enables monitoring and logging of room and equipment usage, as well as centralized help desk support.

##### Individual configuration using a computer web browser.

### Network Security

#### The Tabletop Conference System shall support advanced security features including:

##### 802.1x authentication

##### Active Directory authentication

##### LDAP directory access

# EXECUTION

NOT USED in this Guide Specification. Specifier shall Specify PART 3 On-Site work as needed.

# APPENDICES

## SPECIFIED PRODUCTS

Specifier Note: This Article includes Crestron products specified in this Guide Specification document. This Article is for reference only and should not be required in actual project manual unless included in an overall system equipment list.

### Crestron UC-MX-150-T