**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.*

**Table of Contents**

**1 GENERAL 3**

1.1 SUMMARY 3

1.1.1 Section Includes: 3

1.2 RELATED REQUIREMENTS 3

1.2.1 Section 27 15 00 - Communications Horizontal Cabling 3

1.2.2 Section 27 41 16 - Audio-Video Systems and Equipment 3

1.3 REFERENCES 3

1.3.1 Abbreviations and Acronyms 3

**2 PRODUCTS 3**

2.1 CONFERENCE SYSTEMS 3

2.1.1 Basis of Design Wall Mounted UC System 3

2.1.2 Collaboration Platforms 4

2.1.3 Wall Mounted Conference Systems 5

**3 EXECUTION 6**

**4 APPENDICES 6**

4.1 SPECIFIED PRODUCTS 6

4.1.1 Crestron UC-BX30-Z 6

4.1.2 Crestron UC-BX30-T 6

# **GENERAL**

*NOT USED in this Guide Specification. Specifier shall Specify PART 1 administrative and procedural requirements as needed.*

## **SUMMARY**

### Section Includes:

#### UNIFIED COMMUNICATIONS AND COLLABORATION SYSTEMS

## **RELATED REQUIREMENTS**

### Section 27 15 00 - Communications Horizontal Cabling

### Section 27 41 16 - Audio-Video Systems and Equipment

## **REFERENCES**

### Abbreviations and Acronyms

#### BYOD - Bring You Own Device

#### UC - Unified Communications

#### UCS - Unified Communication System

#### UCC - Unified Communications Computer

# **PRODUCTS**

## **CONFERENCE SYSTEMS**

### Basis of Design Wall Mounted UC System

#### Crestron UC-BX30-T

*Specifier Note:*

*UC-BX30-T*

*The Crestron Flex UC-BX30-T system provides a video conference room solution for use with the Microsoft Teams Rooms intelligent communications platform. It supports single or dual video display1 and features a 10.1 in. touch screen, UC Presentation Transmitter, UC Bracket Assembly, and Crestron UC video conference smart soundbar & camera.*

*https://www.crestron.com/Products/Workspace-Solutions/Unified-Communications/Crestron-Flex-Wall-Mount-Conferencing-Systems/UC-BX30-T*

#### Crestron UC-BX30-Z

*Specifier Note:*

*UC-BX30-Z*

*The Crestron Flex UC-BX30-Z system provides a video conference room solution for use with Zoom Rooms software. It supports single or dual video display1 and features a 10.1 in. touch screen, UC Presentation Transmitter, UC Bracket Assembly, and Crestron UC video conference smart soundbar & camera.*

*https://www.crestron.com/Products/Workspace-Solutions/Unified-Communications/Crestron-Flex-Wall-Mount-Conferencing-Systems/UC-BX30-Z*

### Collaboration Platforms

*Specifier Note:*

*The "T" version includes Microsoft Teams collaboration software.*

*The "Z" version includes Zoom Rooms collaboration software.*

*Both Teams and Zoom versions support BYOD.*

*Specifier: Delete the version below that is not being specified in the project Specification.*

#### The USC shall natively support Zoom Rooms.

*Specifier Note:*

*Native Zoom Rooms™ Software Experience*

*The "Z" version systems features Zoom Rooms conferencing software that enables audio and video connectivity for easy collaboration and content sharing.*

#### The UCS shall natively support Microsoft Teams Rooms.

*Specifier Note:*

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

*Microsoft Teams Rooms are purpose-built calling and meeting room solutions delivering a native Microsoft Teams experience, with HD audio and video, on Teams certified 3rd party hardware. Teams Rooms deliver consistent, intuitive, and inclusive meeting experiences.*

*https://rooms.microsoft.com/*

##### The UCS shall be a certified Microsoft Teams solution.

*Specifier Note:*

*https://rooms.microsoft.com/*

#### UCS shall support collaboration platforms installed on user laptop computers via HDMI and USB connections located on the tabletop user interface device.

*Specifier Note:*

*Bring Your Own Device (BYOD)*

*Conference room visitors can connect their laptop computer to the tabletop user interface device to use their own UC conference platform. The UC System's built-in content ingest device switches to the connected laptop's UC platform and returns to the native UC platform when disconnected.*

### Wall Mounted Conference Systems

#### See AV System Drawings for equipment and device connection details.

*Specifier Note:*

*See example AV System Drawings for UC-BX Series.*

*https://support.crestron.com/app/answers/detail/a\_id/1000624/kw/1000624*

#### Unified Communication System Components:

##### User Interface

###### Tabletop Touch Screen with 10.1 inch display

###### Native Collaboration Software UI

##### AV and USB Extender

*Specifier Note:*

*The UC-PR (UC Presentation Transmitter) extends an HDMI source connection and USB connections from a user location to the UC computer (UC-BRKT-260-P-Z-ASSY) location via a single CAT5 type cable.*

##### UCS Hardware Bracket Assembly

###### UCC and supporting hardware shall be integrated into a single assembly designed for wall or rack shelf installations.

###### Unified Communications Computer (UCC)

UCC Display support:

Single display operation

*Specifier Note:*

*The UC-B30-T/Z support single display operation only.*

Dual display operation

*Specifier Note:*

*The UC-BX30-T/Z support single display or dual display operation.*

HDMI content support - UC system shall support wired HDMI connection for external presentation source.

Operating System

*Specifier Note:*

*The UC-CX100-Z is a native Zoom Room integrator system.*

Intel Core® processor with Windows® 10 IOT Edition OS

UC Client

*Specifier Note:*

*The UC-BX30-T is a native Teams Rooms system.*

*The UC-BX30-Z is a native Zoom Rooms system.*

Microsoft Teams Rooms

Zoom Rooms Software

Management Client

Optional Cloud Service by same manufacturer

*Specifier Note:*

*XiO Cloud Service*

###### Content Ingest and AV/USB Extender Receiver Device

# **EXECUTION**

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

# **APPENDICES**

## **SPECIFIED PRODUCTS**

### Crestron UC-BX30-Z

### Crestron UC-BX30-T