**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**

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

## **SUMMARY**

### Section Includes:

#### Phone Based UC System

## **RELATED REQUIREMENTS**

### Section 25 08 00 - Commissioning of Integrated Automation

### Section 25 10 00 - Integrated Automation Network Equipment

### Section 25 11 13 - Integrated Automation Network Servers

### Section 25 13 13 - Integrated Automation Control and Monitoring Network Supervisory Control

### Section 25 13 16 - Integrated Automation Control and Monitoring Network Integration Panels

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### Section 25 15 16 - Integrated Automation Software for Control and Monitoring Networks

### Section 26 09 43.13 - Digital-Network Lighting Controls

### Section 27 15 00 - Communications Horizontal Cabling

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

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

## **REFERENCES**

### Abbreviations and Acronyms

#### AV - Audio-Video

#### BYOD - Bring You Own Device

#### UC - Unified Communications

#### UCS - Unified Communication System

#### UCC - Unified Communications Computer

#### PIR - Pyroelectric InfraRed

# **PRODUCTS**

## **Phone Based UC System**

*Specifier Note:*

*Multiple models are offered to accommodate different applications.*

*UC-P8/P10-T-x: Desk speakerphone with user interface for Microsoft Teams software*

*UC-P8/P10-T-C: Handset desk phone with user interface and built-in HD camera for Microsoft Teams software*

### Basis of Design Desk Phone UC System

*Specifier Note:*

*The UC-P8-T series and UC-P10-T series are premium VoIP desk phones designed for use with the Microsoft Teams® intelligent communications platform. They provide superior voice calling, full-duplex hands-free conferencing, consistent user experience of Microsoft Teams touch screen UI, simple operation with comprehensive call and contact management features, built-in calendaring, and one-touch meeting joins.*

*HD Camera Version*

*The UC-P8-T-C series and UC-P10-T-C series are premium video desk phones designed for use with the Microsoft Teams® intelligent communications platform. They provide superior video calling, full-duplex hands-free conferencing, consistent user experience of Microsoft Teams touch screen UI, simple operation with comprehensive call and contact management features, built-in calendaring, and one-touch meeting joins.*

*https://www.crestron.com/Products/Workspace-Solutions/Unified-Communications/Crestron-Flex-Phones*

#### Crestron UC-P10-T-(C) Series

#### Crestron UC-P8-T-(C) Series

### Basis of Design Support Plan

#### Crestron UC-FLEXCARE

### Desk Phone UC System

#### Desktop Device

##### Audio

###### Full-duplex speakerphone operation

###### Wired or Bluetooth enabled headset support

*Specifier Note:*

*The headset is not included. Visit https://www.microsoft.com/en-us/microsoft-365/microsoft-teams/across-devices/devices/ for recommended accessories.*

###### Hearing aid compatible handset

*Specifier Note:*

*Handsets are only included with the "HS" versions:*

*UC-P8-x-HS*

*UC-P8-x-HS-I*

##### User Interface

###### Integrated capacitive, multi-touch capable touch screen user interface

Capacitive buttons shall include: call controls and muting and volume controls

##### Video

###### The manaufacturer shall make available built-in HD video camera versions of the desk phone UC systems.

*Specifier Note:*

*The UC-P8-T and UC-P10-T are both available in a Built-In camera version. The UC-P8-T-C-(HS)-(I) and UC-P10-T-C-(HS)-(I) include a built-in HD camera.*

##### Software platform support:

###### Native Microsoft Teams Rooms Experience

#### System Display

##### Phone shall display system information via touch screen display.

#### Built-in Sensors

##### Ambient light sensor

##### PIR Occupancy sensor

### Network Deployment and Management

#### The device shall support:

##### Cloud based management service by same manufacturer

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

### Manufacturer Service and Support

#### Manufacturer shall make available an optional Service and Support plan including the following:

*Specifier Note:*

*Please see the following link for additional information on the Crestron Flex Care Plan.*

*https://www.crestron.com/Legal/FlexCareTerms*

*All provisions of Crestron’s Standard Terms and Conditions of Sale and Standard Limited Warranty, both available at https://www.crestron.com/Legal/sales-terms-conditions-warranties, ( and at www.crestron.com/crestroneuropeterms for Europe) continue to apply to the Crestron Flex Care Plan and the Eligible Products.*

*The complete list of Eligible Products can be found at https://www.crestron.com/Products/Featured-Solutions/Crestron-Flex.*

##### Advance Replacements

##### Extended Remote Support Hours

##### Five Year Extended Limited Warranty

##### Reduced Rate On-Site Support

# **EXECUTION**

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

# **APPENDICES**

## **SPECIFIED PRODUCTS**

### Crestron UC-P10-T-C-HS-(I)

### Crestron UC-P10-T-C-(I)

### Crestron UC-P10-T-HS-(I)

### Crestron UC-P10-T-(I)

### Crestron UC-P8-T-C-HS

### Crestron UC-P8-T-C-(I)

### Crestron UC-P8-T-HS-(I)

### Crestron UC-P8-T-(I)