SECTION 27 41 16.28

INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT FOR CONFERENCE ROOMS

Equipment Specified in this section:

CRESTRON RL SYSTEMS:

CCS-UC-100-1\_KIT

CCS-UC-100-2\_KIT

CCS-UC-100-0\_KIT

Table of Contents

PART 1 GENERAL 3

1.1 SUMMARY 3

A. Section Includes 3

B. Related Requirements 3

PART 2 PRODUCTS 4

2.1 OWNER FURNISHED PRODUCTS 4

A. Office 2013 Lync account 4

2.2 GROUP COLLABORATION SYSTEM 4

A. Manufacturers 4

B. Minimum Manufacturer Microsoft Credentials: 4

C. Basis of Design Product: 4

D. Minimum System Characteristics: 4

E. System User Interface 5

F. HD Camera 5

G. External Content Connection 6

H. Microsoft Lync Functions 6

PART 3 EXECUTION 6

END OF SECTION 27 41 16.28 6

SECTION 27 41 16.28

INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT FOR CONFERENCE ROOMS

Specifier: The Specifier/Design Professional is responsible for the accuracy of all project specifications, including system application and coordination with related sections. This guide specification is provided as a convenience and requires editing to match actual project requirements. CRESTRON ELECTRONICS, INC. SHALL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF THE USE OF ANY OF ITS GUIDE SPECIFICATIONS. For Crestron design assistance and design review please contact Sales Support Services Department at 800.237.2041 or techsales@crestron.com.

1. GENERAL
   1. SUMMARY
      1. Section Includes
         1. Touch screen controlled hardware group collaboration system for use with Microsoft Lync 2013.
            1. The hardware system enables video, voice, interactive content sharing, presence, and chat from a single touch screen interface.

Specifier: Related requirements paragraph is optional. If retaining, edit and coordinate list of sections below to correspond to Project requirements.

* + 1. Related Requirements

Specifier: Crestron CCS-UC-100 integrates with Microsoft Lync, an Office 2013 Lync account is required for use as the room system’s account.

* + - 1. Section 27 25 39 – Internet Conferencing Software for Office 2013 Lync Server software
      2. Section 12 24 13 — Roller Window Shades
      3. Section 23 09 23 — Direct Digital Control System for HVAC
      4. Section 25 08 00 — Commissioning of Integrated Automation
      5. Section 25 10 00 — Integrated Automation Network Equipment
      6. Section 25 11 13 — Integrated Automation Network Servers
      7. Section 25 13 13 — Integrated Automation Control and Monitoring Network Supervisory Control
      8. Section 25 13 16 — Integrated Automation Control and Monitoring Network Integration Panels
      9. Section 25 13 19 — Integrated Automation Control and Monitoring Network Interoperability
      10. Section 25 15 16 — Integrated Automation Software for Control and Monitoring Networks
      11. Section 26 09 43.13 — Digital-Network Lighting Controls
      12. Section 26 05 00 — Common Work Results for Electrical
      13. Section 26 09 23 — Lighting Control Devices
      14. Section 26 09 36 — Modular Dimming Controls
      15. Section 26 09 43 — Network Lighting Controls
      16. Section 27 15 00 — Communications Horizontal Cabling
      17. Section 27 41 00 — Audio-Video Systems

1. PRODUCTS
   1. OWNER FURNISHED PRODUCTS
      1. Office 2013 Lync account
   2. GROUP COLLABORATION SYSTEM
      1. Manufacturers
         1. Basis-of-Design Manufacturer: Subject to compliance with requirements, provide products of **Crestron Electronics, Inc., Rockleigh, NJ 07647**, Phone 800-237-2041, Fax: 201-767‑1903, [www.crestron.com](http://www.crestron.com) **[**or comparable products from a single manufacturer approved by Architect prior to bidding**]**, with the following components and characteristics.
      2. Minimum Manufacturer Microsoft Credentials:
         1. Manufacturer shall be an official Lync Room System partner.
         2. Group collaboration systems shall be officially qualified by Microsoft as fully interoperable with Microsoft Lync Server 2013.
      3. Basis of Design Product:
         1. Dual display package: **Crestron CCS-UC-100-2\_KIT**
         2. Single display package: **Crestron CCS-UC-100-1\_KIT**
         3. User selected display package: **Crestron CCS-UC-100-0\_KIT**
      4. Minimum System Characteristics:
         1. The group collaboration system shall be a complete stand-alone hardware system.
         2. The system package shall include the following as standard components:
            1. Unified Communication Codec
            2. User interface touch screen
            3. High Definition Camera with integrated microphone
            4. Amplified speaker module
            5. Large Format Display(s):

Single large format 65” touch screen display monitor

Two large format 65” touch screen displays monitor

No included display. Display equipment selected by user/integrator.

* + - * 1. Accessory Bracket Assembly with integral single cable user interface connection unit.
        2. Mounting hardware for system components.
        3. Cabling for system interconnection
      1. The following optional components shall be available for the standard system packages:
         1. Mobile display cart
         2. Table microphone
      2. The system shall be compatible with control processor units from same manufacturer.
      3. The system shall be compatible with High Definition video extending and switching systems by same manufacture.
      4. As the standard system configuration the Unified Communication Codec shall be mounted out of sight, behind the large format display monitor.
      5. The Unified Communication Codec shall be compatible with Microsoft PPI displays as a standard option.
      6. The large-scale display monitors shall be available with or without touch screen capability as standard options.
      7. The system shall be available in single display and dual display packages as standard options.
    1. System User Interface
       1. Functional Characteristics:
          1. System User Interface shall be pre-programmed for complete collaboration system control.
          2. System User Interface shall be capable of single button-press system startup.
          3. System User Interface supports room control functions via compatible room controller by same manufacturer.
          4. System User interface shall be capable of displaying user interface screens of control systems by same manufacturer with full touch and feedback capability.
          5. Controllable equipment and systems via Compatible integrated control system include:

Lighting

HVAC

Motorized window treatment

Audio-Video

* + - 1. Physical Characteristics:
         1. User Interface shall be a 10” full color display with touch screen control.
         2. User interface shall require only one CAT5 cable connection. System User Interfaces requiring multiple cables and cable extenders shall not be accepted.
         3. User interface shall be a free-standing table top unit.
    1. HD Camera
       1. System shall include one High Definition video camera with integral microphone.
    2. External Content Connection
       1. System shall include one DVI-I input connection with support for:
          1. HMDI
          2. VGA
    3. Microsoft Lync Functions
       1. The Group Collaboration System shall support standard Lync functionality including but not limited to the following functions:
          1. Share windows desktop with local and remote participants.
          2. View and annotate over Microsoft Powerpoint.
          3. View and annotate over interactive whiteboard locally using large-format display touch screen.

1. EXECUTION

Not Used

END OF SECTION 27 41 16.28