



# LOGITECH COLLABORATION SYSTEMS

## DESIGN GUIDE

**Extron**

# THE POWER OF COLLABORATION

Organizations are continually rethinking how to best leverage space and technology to enable their workforce to collaborate. Today's knowledge workers and students expect to be able to work together in small groups, easily teleconference from a wide choice of rooms, and share content from their laptop, tablet, or phone. In our highly mobile society, people have the expectation to work just as easily from remote locations as they do from the office.

Along with the rising demand for collaboration comes the need for properly designed and equipped meeting spaces. Businesses seek technology solutions to help them meet the demand while also making efficient use of their available floorspace. In addition to updating existing conference rooms and boardrooms, technology can be used to transform unused office areas into open meeting spaces and huddle rooms. Options like these enable more productive meetings and provide areas that are frequently used by groups for quick meetings and project collaboration.

Our work with Logitech through the Logitech Collaboration Program allows us to extend easy automation and professional control integration capabilities to the modern workspace. The Logitech SmartDock and Logitech Tap can be equipped with Extron control systems, audio signal processors, and digital video switching and distribution for a fully integrated, unified collaboration solution. Meeting attendees benefit from a significant expansion of meeting collaboration features while enjoying the convenience of AV room control, all from a familiar user interface.

**Extron** and **logitech**









# KEYS TO SUCCESSFUL COLLABORATION SYSTEMS

Extron collaboration technology supports the modern workspace by creating meeting rooms that are easy to use, schedule, and manage remotely. In addition, we have the system design experience, customer support, and enterprise software solutions to help ensure your success. Whether designing a large conference room, a training room, or smaller huddle spaces, it's critical to provide the right communication and collaboration technology to simplify and enhance meetings.

A successful collaboration technology plan should support these key capabilities:

- **Scalable Solutions** – The technology solution must be customizable to meet the needs of various collaboration spaces from the smallest and simplest to larger and more complex.
- **Intuitive Operation** – Users must be able to enter the space and get going immediately without any training on the system.
- **Flexible Capabilities** – Users should be able to easily share the content from their laptops, tablets or phones with a wired or wireless connection.
- **Secure Network Connectivity** – To support scalability to dozens or hundreds of rooms in the enterprise, systems must be network connected to provide remote support, monitoring and firmware updates.

## Extron









# POWERFUL MANAGEMENT TOOLS

Integrated meeting solutions from Extron combine application-specific hardware along with powerful AV resource management tools. We offer a complete AV technology platform that makes meetings more productive and optimizes use of available resources. This combination further enhances collaboration by delivering connected meeting spaces with automated functionality, consistent user experiences, and convenient room scheduling.

- **Extron Room Scheduling** simplifies the room booking experience. Elegant TouchLink Scheduling panels connect directly to popular calendar services for simple and convenient room booking. *For more information on Extron Room Scheduling, see page 6.*
- **Extron GlobalViewer Enterprise** is a powerful tool that allows efficient management, monitoring, and control of AV systems across the entire enterprise. The integrated Help Desk displays a detailed view of room and equipment status for convenient remote support. *For more information on GlobalViewer Enterprise, see page 8.*



**Extron**





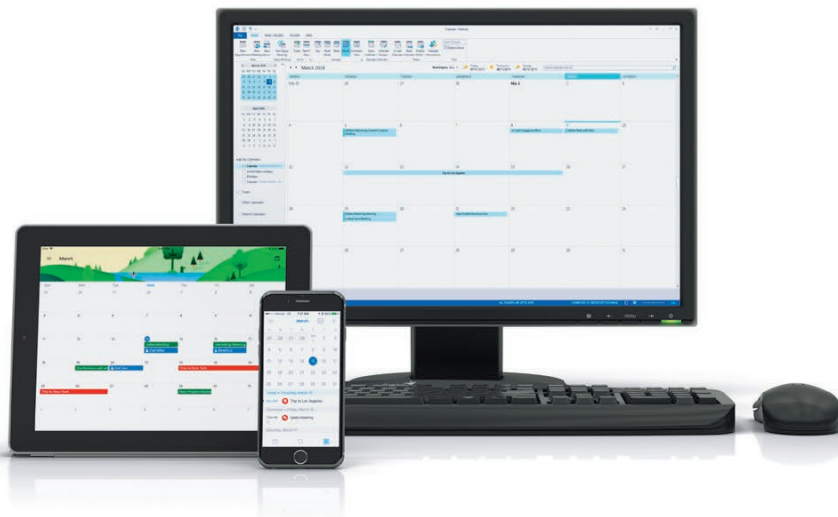


# ROOM SCHEDULING SYSTEMS

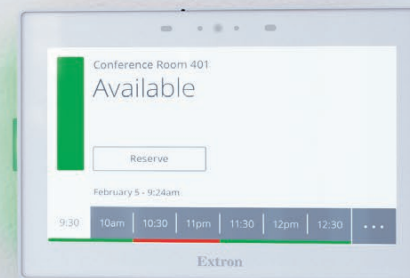
## Book a Room the Easy Way

In today's business environment, meeting rooms are in high demand, and finding an available space can be a time-consuming experience. We have simplified the room booking experience with Extron Room Scheduling. This stand-alone system consists of elegantly-designed TouchLink Scheduling panels that connect directly to Microsoft Exchange, Office 365, Google Calendar, EMS, or 25Live.

Users can make reservations directly from these panels, a computer, or any smartphone or tablet that connects to any one of the supported mail servers.









# GLOBALVIEWER ENTERPRISE

## AV Resource Management

GlobalViewer Enterprise software simplifies AV system resource management with intuitive control for hundreds of common AV tasks. Whether you're working with 5 or 5000 rooms, GVE provides a powerful, flexible way to manage, monitor, and control nearly any device over a standard network. It's quite common for corporations, universities, and government agencies to have hundreds of collaboration spaces spread over broad areas. GVE allows you to manage this ever-increasing AV technology while effectively leveraging valuable help desk resources. The Help Desk view in GVE provides all the information you need from the entire enterprise or campus, all in one easy-to-navigate interface.







# SEAMLESS INTEGRATION WITH LEADING UNIFIED COMMUNICATIONS TECHNOLOGIES

Extron has developed the technology to integrate with the leading UC solution providers, providing a one-touch user experience for conferencing, collaboration, and control. By working together with these companies, we can extend Extron control capabilities to spaces that use Logitech and many other popular providers. We offer complete system integration for convenient, centralized control of conferencing systems, audio, video, lighting, window shades, and much more.

logitech

zoom

Google

Microsoft





# EXTRON MEETING SPACE DESIGN SOLUTIONS

Collaboration spaces run the gamut from small collaboration spaces and conference room systems, to large-scale AV distribution systems. Rarely, if ever, is a presentation system limited to a single source and a single display, connected with one HDMI cable. Even the smallest AV system design generally includes a variety of signal types and resolutions. The following designs represent a cross-section of typical collaboration spaces and applications. System drawings depict the sources and displays, signal flows between them, and a recommended approach for an effective system design.



## **Huddle Space with Logitech Meetup – Page 14**

BYOD Conferencing, Wireless Presentation, Sound Reinforcement, Digital Signage, Up to 4 People



## **Huddle Room with Logitech Smartdock – Page 16**

Sound Reinforcement, Device Control, Up to 4 People



## **Huddle Room with Logitech Tap – Page 18**

Sound Reinforcement, Device Control, Up to 4 People



## **Meeting Room with Logitech Meetup and Tap – Page 20**

AV Switching, Signal Extension, Sound Reinforcement, Device Control, Up to 8 People





### **ZOOM ROOM WITH LOGITECH RALLY CAMERA – PAGE 22**

AV Switching, Signal Extension, Sound Reinforcement, Device Control, Up to 8 People



### **MEETING ROOM WITH LOGITECH RALLY – PAGE 24**

AV Switching, BYOD Conferencing, Signal Extension, Sound Reinforcement, Device Control, Up to 8 People



### **CONFERENCE ROOM WITH LOGITECH RALLY AND TAP – PAGE 26**

Wireless Presentation, Signal Extension, Sound Reinforcement, Device Control, Up to 12 People



### **LARGE CONFERENCE ROOM WITH LOGITECH RALLY CAMERA AND TAP – PAGE 28**

AV Switching, Signal Extension, Sound Reinforcement, Device Control, Up to 16 People

# Huddle Space with Logitech Meetup



## SPACE REQUIREMENTS

The huddle room is designed for a small group of team members to concentrate on the specific details of a project without the distractions that often occur in an open office. The space is smaller than a typical meeting room, accommodating just a few people. A minimalistic technology approach is taken within these rooms. These spaces typically include a display for content sharing and a wireless collaboration gateway for connecting personal devices. This system is managed over the network and supports a wide variety of smartphones, tablets, and laptops. An Extron ShareLink wireless collaboration gateway enables secure connection to the display and prevents unauthorized access to the corporate network. When the meeting space is not in use, the display provides digital signage content.

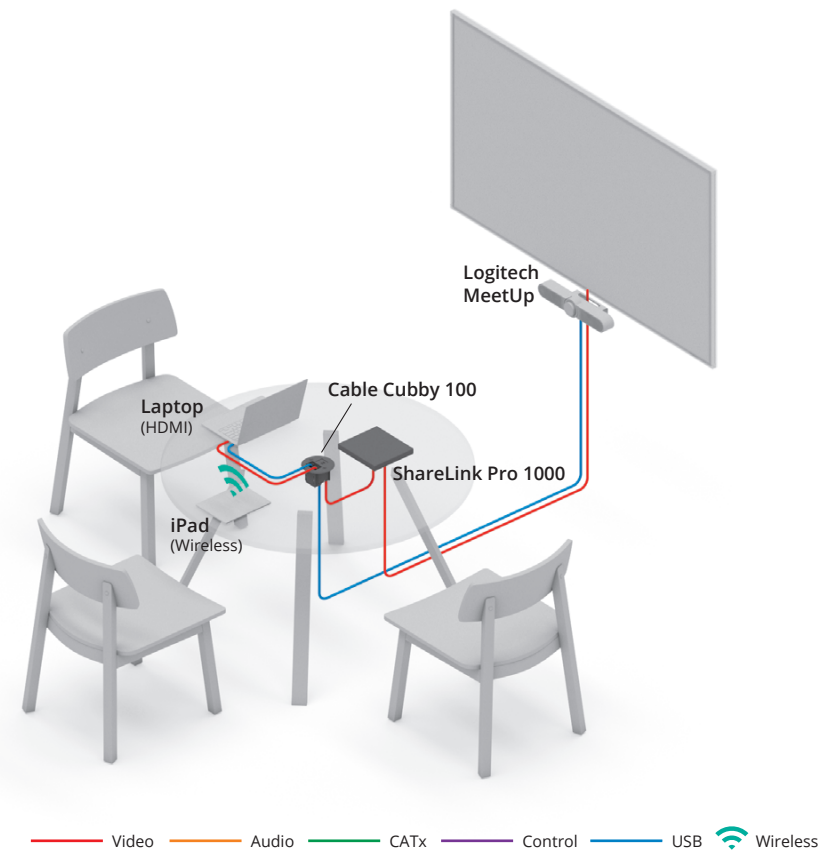
## EXTRON EQUIPMENT LIST

		Qty.
<b>ShareLink Pro 1000</b>	Wireless and Wired Collaboration Gateway	1
<b>HDMI Pro Cable</b>	4K Premium High Speed HDMI Cable	1
<b>Cable Cubby 100 USB</b>	Cable Access Enclosure for Connectivity & Power	1
<b>Cable Cubby 100 Switch Kit</b>	Switch for Cable Cubby 100	1
<b>HDMI SM Cable</b>	HDMI Show Me Cable	1



### CAPABILITIES

- Multi-platform capable conferencing
- Basic display control is provided by the Extron ShareLink Pro 1000 either by a button press or via signal detection by utilizing HDMI-CEC
- Wirelessly share content from mobile devices utilizing Extron ShareLink Pro 1000
- Supports Mac® and Windows® computers as well as Apple® and Android™ tablets and smartphones
- Simple presentation with Show Me button
- Switching between wired and wireless sources with simple button





# Huddle Room with Logitech SmartDock

## SPACE REQUIREMENTS

Huddle rooms with video conferencing capability enable internal collaboration with remote team members at different geographical locations. This system utilizes the Logitech® SmartDock System, enabling meeting attendees to use the full range of Microsoft® Teams Rooms System conferencing features while having access to AV control from the same interface. This system provides convenient HDMI connectivity at the table. Cable management and AC power provides easy accessibility. A Logitech MeetUp Camera is mounted below the display. AV signals are sent from the SmartDock through an Extron HD CTL 100 Workspace Controller to the display, enabling automatic display control.

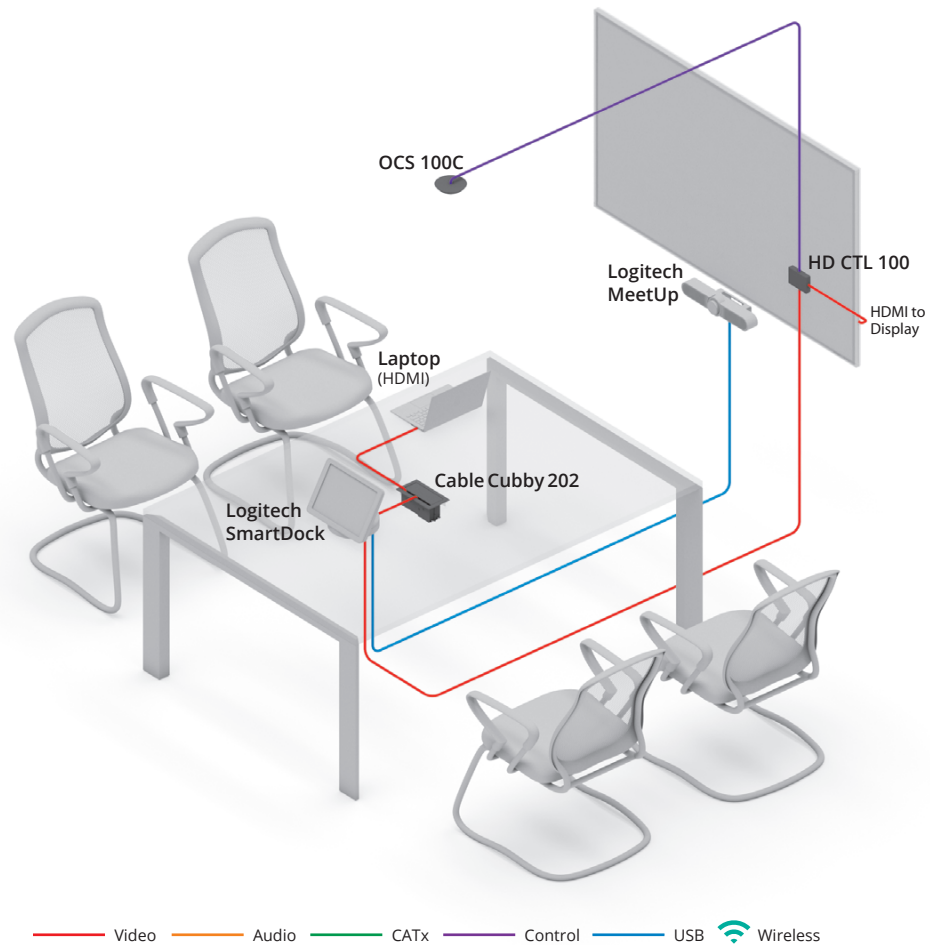
## EXTRON EQUIPMENT LIST

	Qty.
<b>Cable Cubby 202</b>	Cable Access Enclosure for Connectivity & Power 1
<b>Retractor HDMI</b>	Cable Retraction System - HDMI 1
<b>Retractor Network</b>	Cable Retraction System - Network CAT 6 1
<b>Retractor DC</b>	Cable Retraction System - DC Power 1
<b>HD CTL 100</b>	Workspace Controller 1
<b>OCS 100C</b>	Occupancy Sensor - Ceiling Mount 1



### CAPABILITIES

- Cable Cubby 202 provides easy access to cables and AC power with an elegant, finished appearance
- Supports convenient connection of HDMI-equipped devices
- Connect with team members using Microsoft Teams or Microsoft Skype for Business with the Logitech SmartDock
- Source selection and Room Control is available through the Extron Control for Logitech application available on the Logitech SmartDock
- Extron OCS 100 occupancy sensor enables Extron HD CTL 100 to automatically start the system along with providing control of the display via HDMI-CEC
- Switch easily between local presentation or conferencing





## Huddle Room with Logitech Tap

### SPACE REQUIREMENTS

Huddle rooms with video conferencing capability enable internal collaboration with remote team members at different geographical locations. This system utilizes the Logitech® Tap System, enabling meeting attendees to use the full range of Microsoft® Teams Rooms System conferencing features while having access to AV control from the same interface. This system provides convenient HDMI connectivity at the table. Cable management and AC power provides easy accessibility. A Logitech MeetUp Camera is mounted below the display. AV signals are sent from the Tap through a NUC and Extron HD CTL 100 Workspace Controller to the display, enabling automatic display control.

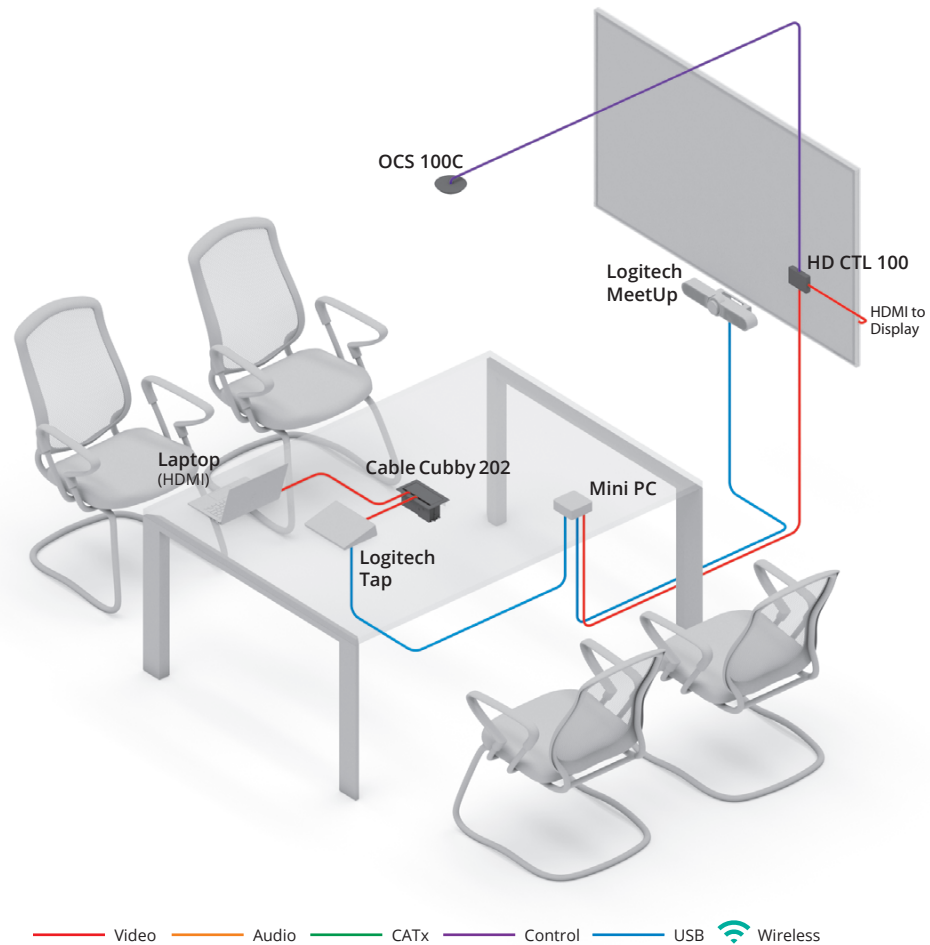
### EXTRON EQUIPMENT LIST

	Qty.
<b>Cable Cubby 202</b>	Cable Access Enclosure for Connectivity & Power 1
<b>Retractor HDMI</b>	Cable Retraction System - HDMI 1
<b>Retractor Network</b>	Cable Retraction System - Network CAT 6 1
<b>Retractor DC</b>	Cable Retraction System - DC Power 1
<b>HD CTL 100</b>	Workspace Controller 1
<b>OCS 100C</b>	Occupancy Sensor - Ceiling Mount 1



### CAPABILITIES

- Cable Cubby 202 provides easy access to cables and AC power with an elegant, finished appearance
- Supports convenient connection of HDMI-equipped devices
- Connect with team members using Microsoft Teams or Microsoft Skype for Business with the Logitech Tap
- Source selection and Room Control is available through the Extron Control for Logitech application available on the Logitech Tap
- Extron OCS 100 occupancy sensor enables Extron HD CTL 100 to automatically start the system along with providing control of the display via HDMI-CEC
- Switch easily between local presentation or conferencing



# MEETING ROOM WITH LOGITECH MEETUP AND TAP



## SPACE REQUIREMENTS

Meeting rooms accommodate more attendees than huddle rooms. They are designed for content sharing and collaboration with minimal setup and configuration. This system supports connections for one HDMI and one VGA source. The occupancy sensor works with the HC 404 to automatically power up the display when the room is occupied. Each source can be easily selected using the Show Me buttons, and minimal user interaction is required to operate the system. Cable management, AC power and push button source selection and an occupancy sensor for display power control is provided. AV signals are switched to a single flat panel display.

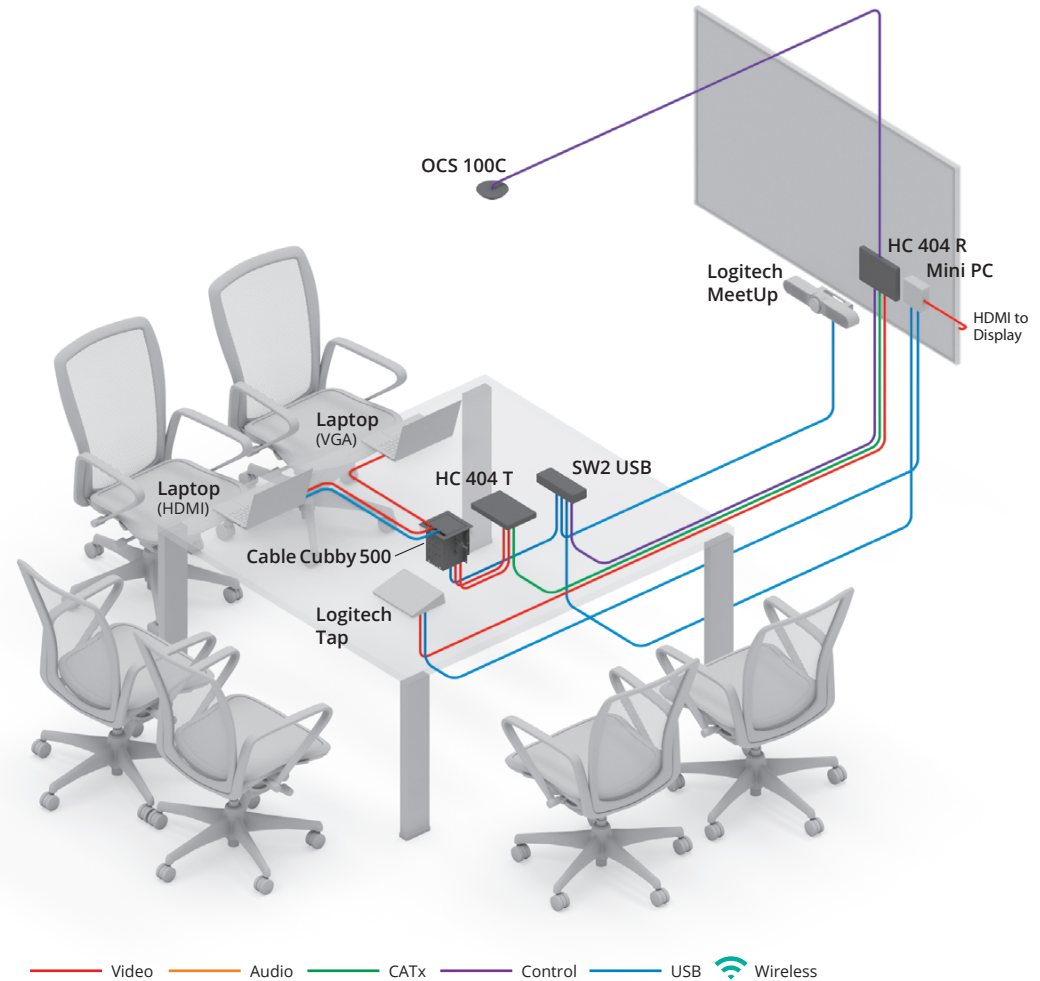
## EXTRON EQUIPMENT LIST

	Qty.
<b>HC 404</b>	Meeting Collaboration System 1
<b>HDMI Ultra Cable</b>	4K High Speed HDMI Ultra-Flexible Cable 1
<b>XTP DTP 24 Cable</b>	Shielded Twisted Pair Cable for HC 404 1
<b>SW2 USB</b>	Two Input USB Switcher 1
<b>Cable Cubby 500</b>	Cable Access Enclosure for Connectivity & Power 1
<b>AC+USB 311</b>	AC and USB Power Module for Cable Cubby 1
<b>Retractor SM HDMI</b>	Cable Retraction System - HDMI Show Me Cable 1
<b>Retractor SM VGA</b>	Cable Retraction System - VGA Show Me Cable 1
<b>OCS 100C</b>	Occupancy Sensor - Ceiling Mount 1



### CAPABILITIES

- Connect with team members using Microsoft Teams or Microsoft Skype for Business with the Logitech Tap
- Switch easily between local presentation or conferencing
- Simple and intuitive operation: Connect the Show Me cable to your device and press the Share button
- Share button lights as it switches to easily identify the connected source device
- Extron Cable Cubby 500 provides easy access to cables and AC power with an elegant, finished appearance
- Supports convenient connection of HDMI and VGA-equipped devices
- Extron OCS 100 occupancy sensor enables the room's controller to automatically start the system via ethernet from HC 404 R to the display
- Easy integration with Extron GlobalViewer Enterprise for complete AV resource management



# ZOOM ROOM WITH LOGITECH RALLY CAMERA



## SPACE REQUIREMENTS

A meeting room with video conferencing offers more functionality and space than typical huddle rooms and enables presenters to share content with remote team members. This system combines Zoom Room System conferencing with intuitive AV system control. The switching system supports HDMI and VGA at the table plus control of the display. A USB speakerphone manages room audio and a Logitech Rally camera is mounted below the display. The speakerphone, camera, and display are connected to the resident PC running the Zoom Conferencing application. The room also features cable management and AC power connectivity at the table, and USB extension for the speakerphone.

## EXTRON EQUIPMENT LIST

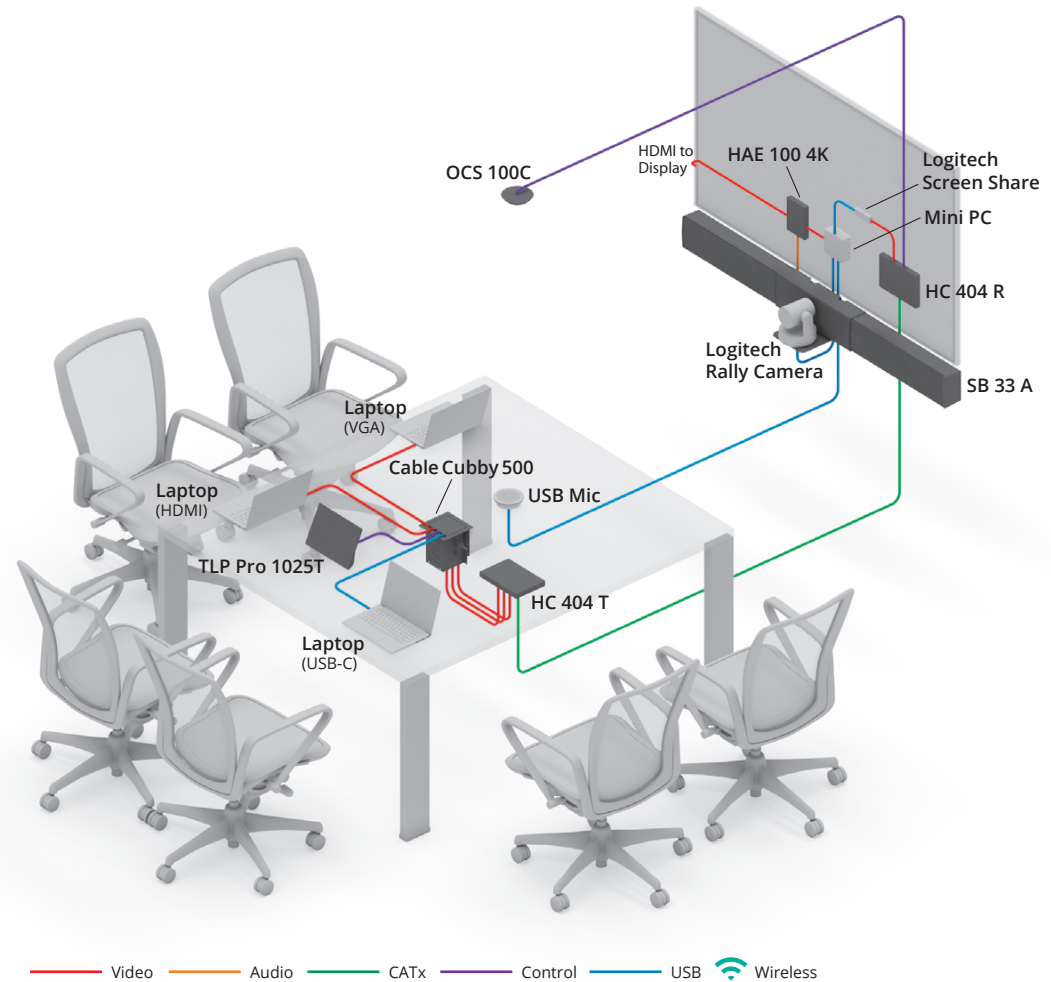
	Qty.
<b>TLP Pro 1025T</b>	10" Tabletop TouchLink Pro Touchpanel 1
<b>HC 404 with Zoom</b>	Meeting Collaboration System – Zoom Room 1
<b>HAE 100 4K</b>	HDMI Audio De-Embedder 1
<b>SB 33 A 75-80</b>	Adjustable Sound Bar for 75" to 80" Display 1
<b>HDMI Ultra Cables</b>	Ultra Flexible Premium High Speed HDMI Cables 2
<b>HDMI Pro Cable</b>	4K Premium High Speed HDMI Pro Cable 1
<b>XTP DTP 24 Cable</b>	Shielded Twisted Pair Cable for HC 404 1
<b>Cable Cubby 500</b>	Cable Access Enclosure with Cable Retractors 1
<b>AC+USB 311</b>	AC and USB Power Module for Cable Cubby 1
<b>OCS 100C</b>	Occupancy Sensor - Ceiling Mount 1



## ZOOM ROOM WITH LOGITECH RALLY CAMERA

### CAPABILITIES

- Connect with team members using the Zoom Room System soft codec
- 10" touch panel provides control of the Zoom Room System soft codec and well as display and room controls
- Switch easily between local presentation or conferencing
- Extron Cable Cubby 500 provides easy access to cables and AC power with an elegant, finished appearance
- Supports convenient connection of HDMI, USB-C and VGA-equipped devices
- Extron OCS 100 occupancy sensor enables the room's controller to automatically start the system using ethernet control from Extron HC 404 R to display
- Easy integration with Extron GlobalViewer Enterprise for complete AV resource management



# MEETING ROOM WITH LOGITECH RALLY



## SPACE REQUIREMENTS

Meeting rooms provide a more formal setting for meetings and collaboration. Accommodating up to 8 people, they are larger than typical meeting rooms and are generally equipped for multi-purpose gatherings. This system supports connections for one HDMI and one DisplayPort source at the table. It includes a touch panel for AV device control as well as cable and AC power management. CATx cable is used for signal transmission within the room. The room size requires an audio system for sound reinforcement with Logitech Rally speakers delivering consistent sound levels across the listening area.

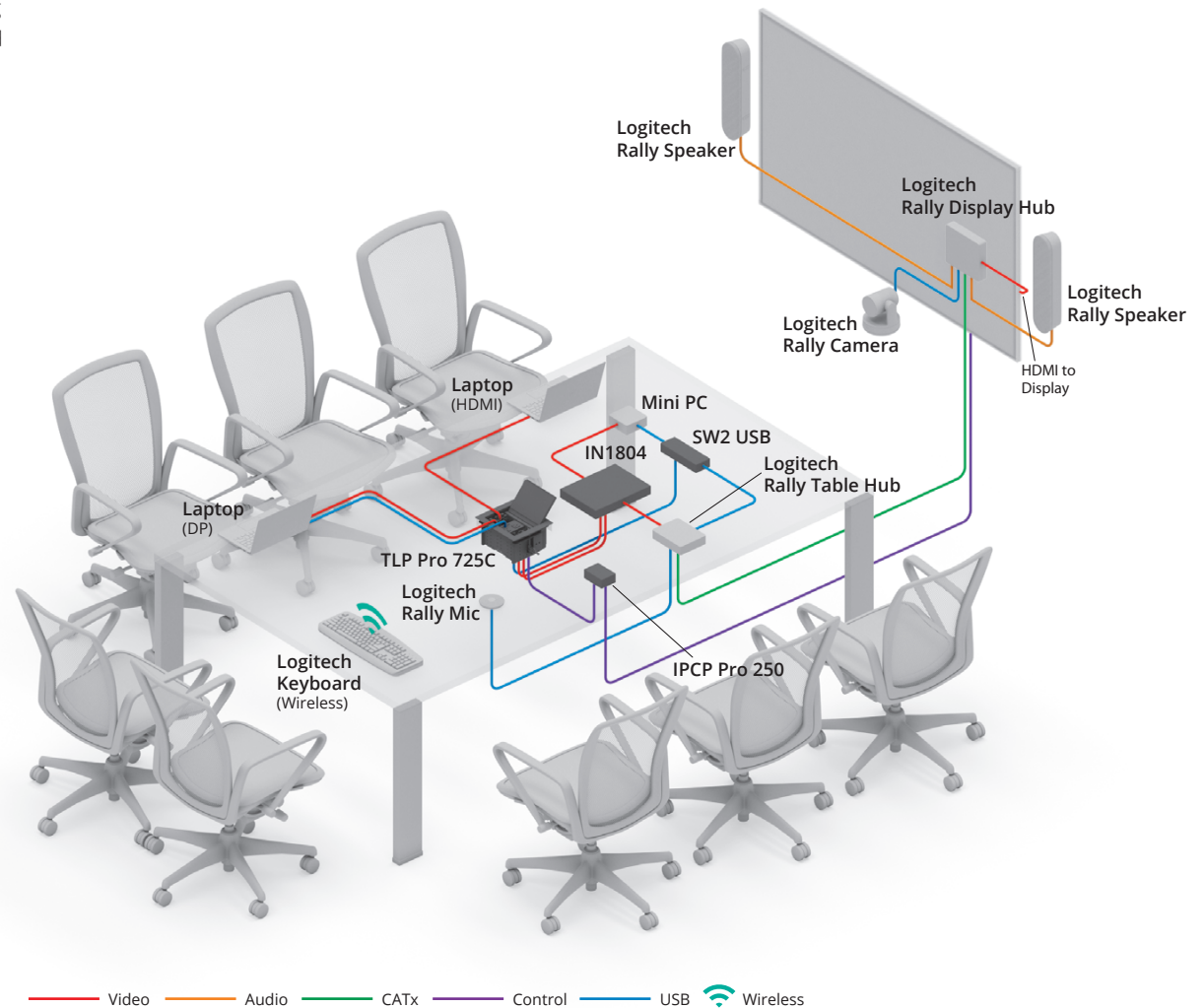
## EXTRON EQUIPMENT LIST

	Qty.
<b>TLP Pro 725C</b>	7" Cable Cubby TouchLink Pro Touchpanel 1
<b>AC+USB 224</b>	AC and USB Power Module for Cable Cubby 1
<b>Retractor HDMI</b>	Cable Retraction System – HDMI 1
<b>Retractor DP</b>	Cable Retraction System – DisplayPort 1
<b>Retractor USB 3.0</b>	Cable Retraction System – USB 3.0 2
<b>IPCP Pro 250</b>	IP Link Pro Control Processor 1
<b>IN1804</b>	Four Input 4K/60 Seamless Scaling Switcher 1
<b>SW2 USB</b>	Two Input USB Switcher 1
<b>HDMI Ultra Cable</b>	HDMI Ultra Flexible High Speed HDMI Cable 1



### CAPABILITIES

- Multi-platform capable conferencing
- Extron TLP Pro 725C Cable Cubby TouchLink Pro Touchpanel provides easy access to cables and AC power with an elegant, finished appearance along with providing convenient conference room controls from the integrated 7" touchscreen
- Switch easily between local presentation or conferencing
- Supports convenient connection of HDMI and DisplayPort-equipped devices
- Extron IN1804 provides seamless switching and scaling between sources while supporting signal resolutions up to 4K/60 at 4:4:4
- Easy integration with Extron GlobalViewer Enterprise for complete AV resource management



# CONFERENCE ROOM WITH LOGITECH RALLY AND TAP



## SPACE REQUIREMENTS

Conference rooms provide a more formal setting for meetings and collaboration. Accommodating up to 12 people, they are larger than typical meeting rooms and are generally equipped for multi-purpose gatherings. This system supports one HDMI at the table and BYOD wireless source connections with the ShareLink Pro 1000. It includes a Logitech Tap for AV device control and a Cable Cubby 100 for cable and AC power management. CATx cable is used for signal transmission within the room. Rooms of this size require an audio system for sound reinforcement and the Logitech Rally speakers deliver consistent sound levels across the listening area.

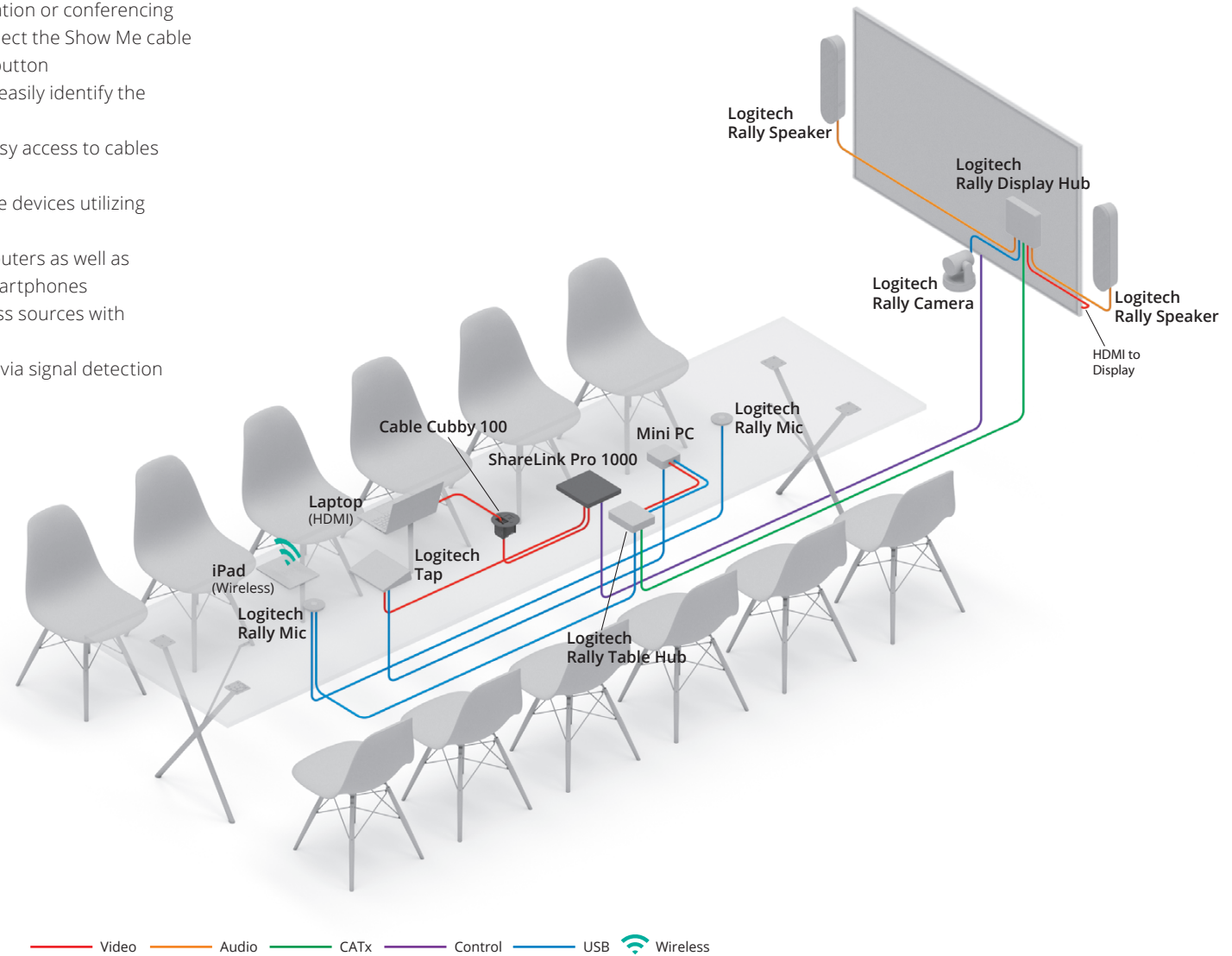
## EXTRON EQUIPMENT LIST

		Qty.
<b>ShareLink Pro 1000</b>	Wireless and Wired Collaboration Gateway	1
<b>HDMI Ultra Cable</b>	4K High Speed HDMI Ultra-Flexible Cable	1
<b>Cable Cubby 100 USB</b>	Cable Access Enclosure for Connectivity & Power	1
<b>HDMI SM Cable</b>	HDMI Show Me Cable	1



## CAPABILITIES

- Connect with team members using Microsoft Teams or Microsoft Skype for Business with the Logitech Tap
- Switch easily between local presentation or conferencing
- Simple and intuitive operation: Connect the Show Me cable to your device and press the Share button
- Share button lights as it switches to easily identify the connected source device
- Extron Cable Cubby 100 provides easy access to cables while providing USB charging
- Wirelessly share content from mobile devices utilizing Extron ShareLink Pro 1000
- Supports Mac® and Windows® computers as well as Apple® and Android™ tablets and smartphones
- Switching between wired and wireless sources with simple button
- Display control with button press or via signal detection



# LARGE CONFERENCE ROOM WITH LOGITECH RALLY CAMERA AND TAP



## SPACE REQUIREMENTS

The large conference room accommodates up to 20 people and includes video conferencing capabilities, enabling team members in remote locations to participate in meetings. The room includes advanced control capabilities and can be used for collaboration, presentations, and video conference calls. This system supports connection of three HDMI sources and one DisplayPort source at the table. It includes dual displays, touchpanel control, a resident PC for soft codec video conferencing as well as cable and AC power management. The room size requires an audio system with full-range, ceiling mounted speakers for sound reinforcement.

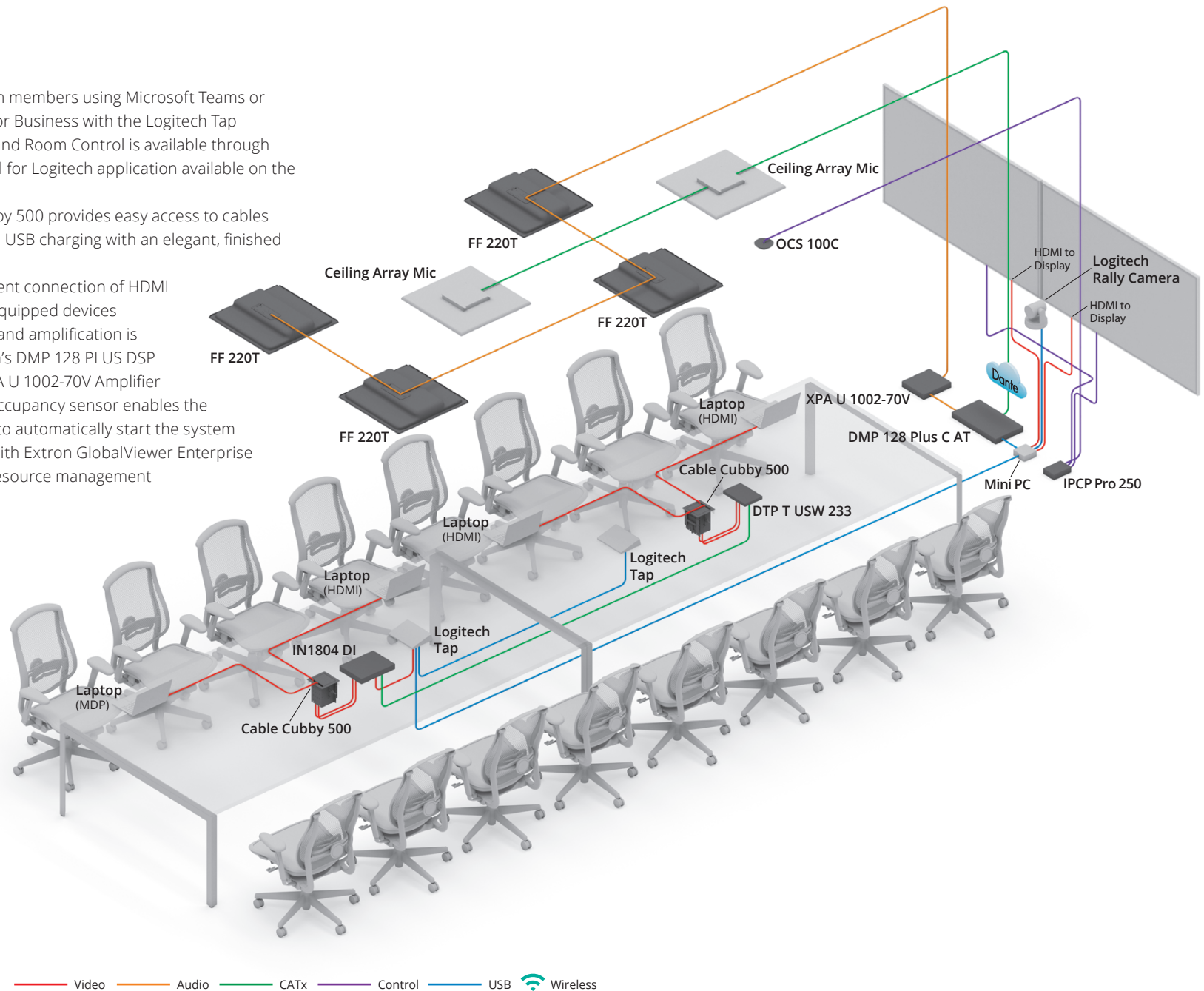
## EXTRON EQUIPMENT LIST

	Qty.
<b>Cable Cubby 500</b>	Cable Access Enclosure for Connectivity & Power 2
<b>AC+USB 311</b>	AC and USB Power Module for Cable Cubby 2
<b>DisplayPort Ultra Cable</b>	Ultra-Flexible DisplayPort Cable 1
<b>HDMI Ultra Cables</b>	4K High Speed HDMI Ultra-Flexible Cables 5
<b>IN1804 DI</b>	Four Input 4K/60 Seamless Scaling Switcher 1
<b>DTP T USW 233</b>	Three Input Switcher with DTP Transmitter 1
<b>IPCP Pro 250</b>	IP Link Pro Control Processor 1
<b>OCS 100C</b>	Occupancy Sensor - Ceiling Mount 1
<b>DMP 128 PLUS C AT</b>	Audio DSP Processor with AEC and Dante 1
<b>XPA U 1002-70V</b>	Two Channel Amplifier, 100 watts at 70 volts 1
<b>FF 220T</b>	Full-Range Flat Field Speakers with 70V Transformer 2



## CAPABILITIES

- Connect with team members using Microsoft Teams or Microsoft Skype for Business with the Logitech Tap
- Source selection and Room Control is available through the Extron Control for Logitech application available on the Logitech Tap
- Extron Cable Cubby 500 provides easy access to cables and AC power and USB charging with an elegant, finished appearance
- Supports convenient connection of HDMI and DisplayPort-equipped devices
- Audio Processing and amplification is handled by Extron's DMP 128 PLUS DSP Processor and XPA U 1002-70V Amplifier
- Extron OCS 100 occupancy sensor enables the room's controller to automatically start the system
- Easy integration with Extron GlobalViewer Enterprise for complete AV resource management



# DESIGN CONSIDERATIONS

## HOW WILL THE SPACE BE USED?

The function of the space will largely drive the form and configuration it takes. To accommodate impromptu, ad hoc meetings, a seating area with a whiteboard or flat panel display could be all that's needed. Small, informal focused discussions may require an enclosed area along with a way for meeting participants to share ideas using personal devices. For larger gatherings, a formal room equipped with a projector and sound reinforcement may be necessary, so that all participants can be fully engaged in the proceedings. In each of these environments, the inclusion of teleconferencing technology allows meeting participants to be located off site and still collaborate effectively.

## WHAT IS THE BUDGET FOR THIS SPACE?

Sound purchasing decisions are driven by return on investment - weighing costs against benefits, and when facing several alternatives, choosing the one that maximizes return. An initial needs assessment should be performed to determine how many collaboration spaces are needed and what is the required functionality to be included in each space, based on the anticipated benefit that the functionality will bring to the organization. The collaboration systems shown in this document have varying levels of features and capabilities to fit a range of budgets – and all are backed by Extron service and reliability regardless of the price.

## WHO WILL BE USING THE SPACE?

Effective collaboration spaces need to satisfy the objectives and requirements of meeting participants as well as the organization. Depending on the personnel and their functional roles, meeting space requirements may be different. Customer-facing facilities might merit a higher level of décor and superior audio and video quality. Access levels to the internal network need to be enforced for meetings between outside guests and internal staff. Capabilities such as annotation and ultra high definition displays might be critical for some activities such as engineering and content creation, but may not be required for other activities.

## WHAT IS NEEDED IN EACH SPACE?

Choosing collaboration and meeting space equipment depends on room size, how users will share content, whether users will be remotely located, and end user aesthetic and operational preferences. For smaller meeting spaces used exclusively by local personnel, a single display without additional audio equipment could be enough. Larger rooms may require multiple display screens and careful evaluation of audio performance, especially when equipped with video conferencing to accommodate several speakers and microphones.







## DESIGN CONSIDERATIONS CONTINUED

### HOW WILL THE SPACE BE MANAGED?

Central management of AV system resources across a facility improves ROI at many different levels. Each connected room can be remotely monitored and accessed to provide help desk support in the event users are experiencing difficulties. This offers increased efficiency and minimizes downtime so events in the room can quickly continue as planned. Enterprise asset management tools give at-a-glance equipment status, support convenient event scheduling, and include valuable usage reports that can be used for inventory management, scheduling of maintenance tasks, and future system planning.

### USABILITY OF THE SPACE.

When multiple users want to present content on the main display using their personal devices, there must be some way for them to connect to the display and to switch between each user's device. This can be accomplished by connecting physical cables, wirelessly, or by a combination of both for maximum flexibility.

### HOW WILL THE SPACE BE OPERATED?

Meeting room technology can be controlled by a variety of methods including physical buttons attached to the equipment, handheld remote controls, touch displays, voice, and automated via occupancy sensors. Each method has its merits in terms of cost, capability, and ease of use. Fully automated rooms are also possible, where the system powers up and configures itself automatically when the meeting starts. For an organization with meeting rooms of varied sizes containing different equipment, a consistent user experience should be maintained. Successful solutions will need to be intuitive and consistent while satisfying the preferences of the users.

### CABLE MANAGEMENT WITHIN THE SPACE.

Cable management solutions such as Extron Cable Cubby enclosures and cable retractors help maintain a professional room appearance regardless of whether a wired or wireless presentation is chosen. Although wireless devices don't require a video cable connection to the display, most still require a cable for charging.











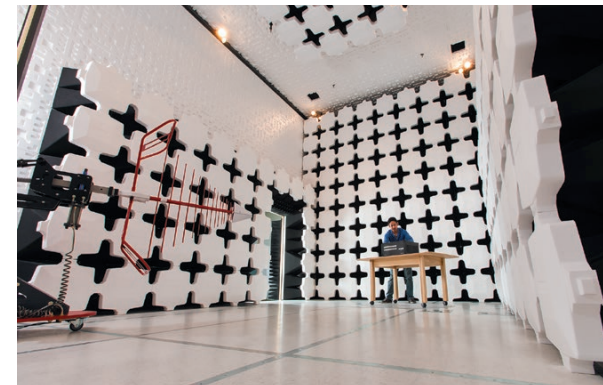
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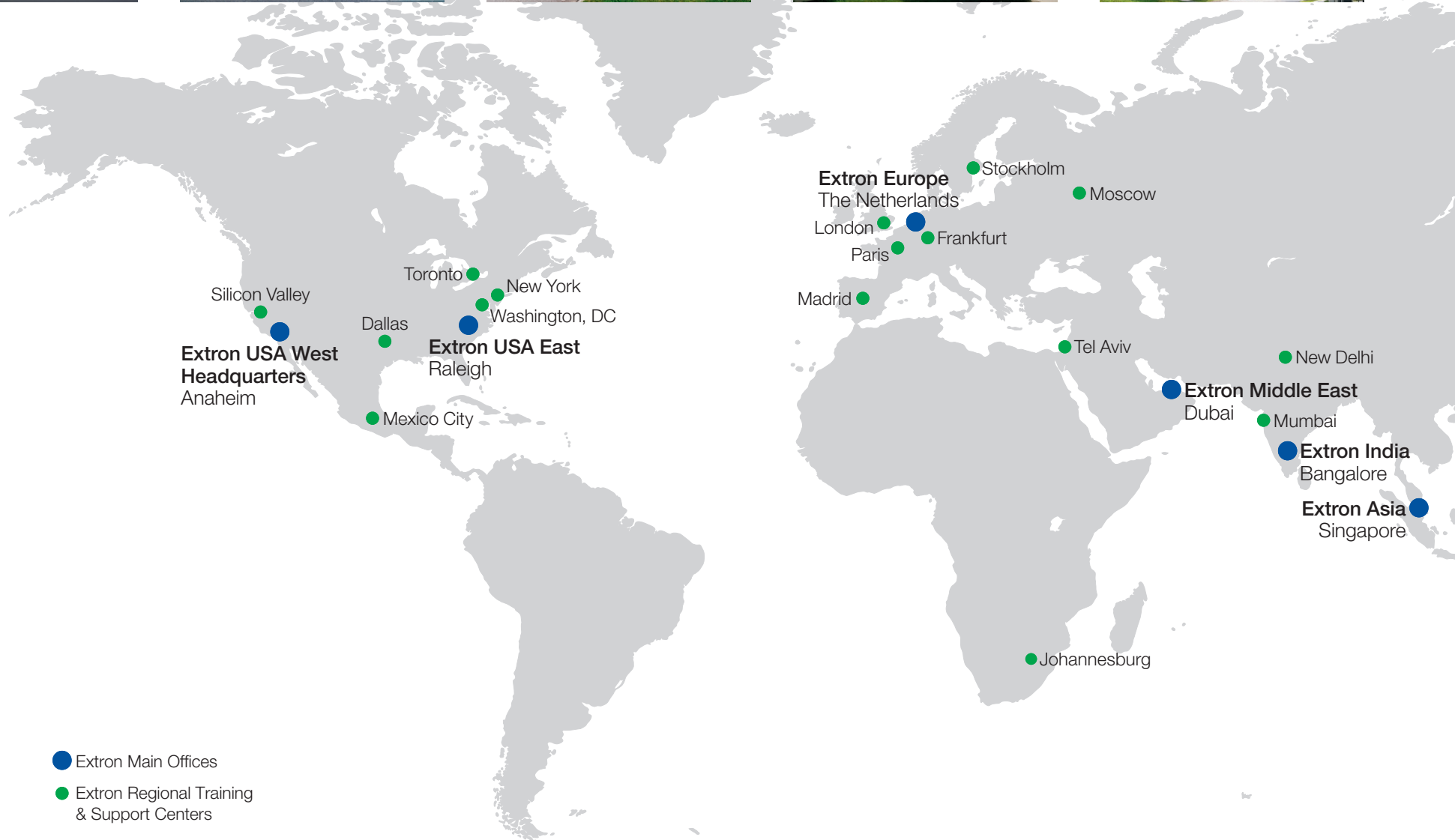
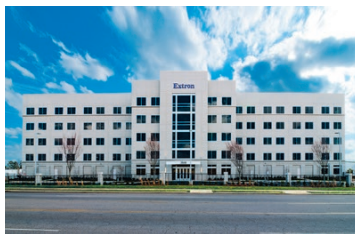
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# EXTRON – THE AV TECHNOLOGY LEADER

Every day, millions of people around the world are having their experiences enhanced by Extron audiovisual signal processing, distribution, and control solutions. We design advanced technologies to create better-looking images, higher quality sound, and systems that are easier to control and work more reliably. Our powerful asset management tools are helping technology professionals efficiently manage large numbers of audiovisual systems deployed throughout their enterprises and institutions. Extron AV technology solutions serve the diverse needs of organizations around the world and are deployed in a wide variety of corporate, educational, government, healthcare, retail, and entertainment applications.





- Extron Main Offices
- Extron Regional Training & Support Centers



# GLOBAL SUPPORT

Extron was built on the core value of professional integrity with the ultimate goal of complete customer satisfaction. This commitment is reflected in our three guiding principles of Service, Support, and Solutions.

With offices around the globe, Extron is able to provide dedicated, full-service support to customers worldwide. Extron's global presence means that we are here for you, wherever you are.



**Extron**

# Extron

[www.extron.com/logitech](http://www.extron.com/logitech)