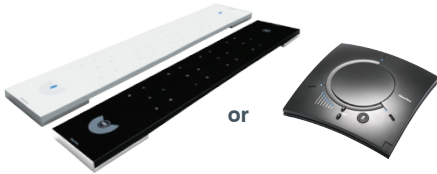


Fulfill every conference room media requirement with the industry's only solution to directly connect ClearOne's Beamforming Microphone Array for unbeatable audio. This fully integrated media appliance delivers best-in-class, full 1080p60 standards-compliant video conferencing, integrated audio conferencing, and can be used to record, create, and stream content to large audiences - even when not in a call. Deliver impacting "in-room" presentations with no additional equipment, and ensure everyone in the room can be clearly heard.



Note - Photos are not to scale

Features

- + Expands conference room use beyond "regular meetings"
- + Turn any meeting room into a broadcast studio with integrated multicast and unicast streaming, in or out of a call
- + Create content with our integrated recording server – no need for expensive recording and archiving infrastructure
- + Deliver in-room or video presentations using a USB stick or other sources like laptops or mobile devices
- + Fully integrates with your infrastructure, or the cloud
- + Embedded multipoint bridge to connect up to 9 sites
- + Capture video from two cameras or sources and transmit simultaneously
- + Multi-standard support – H.323 and SIP
- + Content with live data sharing (H.239) up to 1080p30
- + H.264 high-profile for better resolution at lower bandwidth
- + End to end digital audio integration
- + Beamforming Microphone Array replaces up to ten traditional microphones, with twice the pickup range



Video Conferencing



Audio Conferencing



Recording Server



Presentation System



Streaming Server



9-way Integrated MCU

COLLABORATE Room Pro 500 systems

- > 510 includes tabletop COLLABORATE Microphone Array
- > 520 includes Beamforming Microphone Array and CONVERGE USB adapter

Both systems include:

- + Pro 500 codec with digital audio connectivity (USB)
- + PTZ camera with 12x optical zoom
- + Remote control

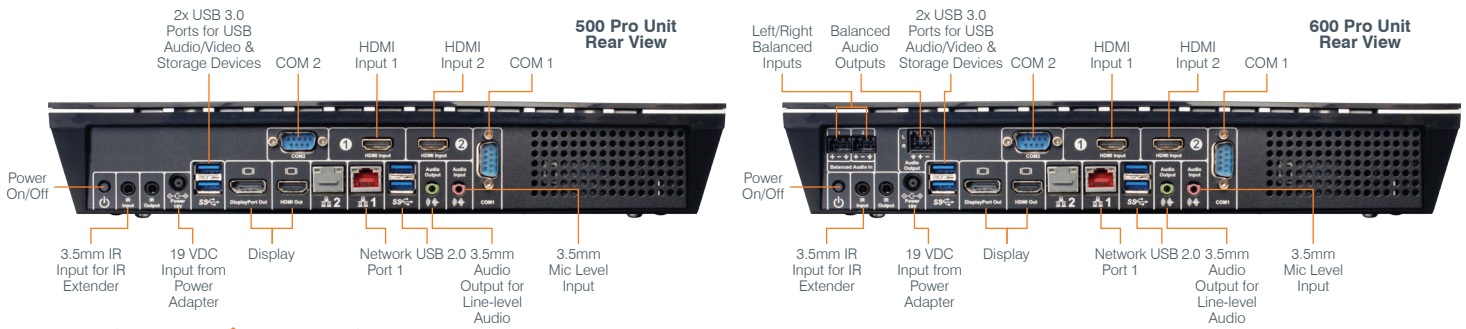
COLLABORATE Room Pro 600 systems

- > 610 includes tabletop COLLABORATE Microphone Array
- > 620 includes Beamforming Microphone Array and CONVERGE USB adapter

Both systems include:

- + Pro 600 codec with digital audio connectivity (USB)
- + PTZ camera with 12x optical zoom
- + Remote control
- + Balanced audio connectivity

> COMPONENTS/BACK PANEL



Functional Specifications

VIDEO CHARACTERISTICS

VIDEO SPECIFICATIONS

Transmission speed (H.323/SIP): 64Kbps – 6MBps

VIDEO STANDARDS

H.261, H.263, H.263+/+ +,
H.264/AVC High Profile - UP TO 6Mbps

LIVE VIDEO RESOLUTION

1080p (1920 x 1080 pixels), 720p (1280 x 720 pixels)
672 x 384, 4CIF (704 x 576 pixels), 4SIF (704 x 480 pixels)
VGA (640 x 480 Pixels), CIF (352 x 288 Pixels)
SIF (352 x 240 Pixels), QVGA (320 x 240 Pixels)

RECEIVING RESOLUTION

Up to 1080p60

VIDEO TRANSMIT FRAME RATE

Up to 60 fps at 720p, Up to 30 fps at 1080p
Up to 60 fps at 1080p

VIDEO INPUTS

2X HDMI, 1X USB

VIDEO OUTPUTS

HDMI, Display Port

VIDEO FEATURES

MCU 1+8 Video Switch/Continuations Presence
Recording- on internal or external (USB) storage
Streaming- Unicast and Multicasting
Data Recording/Streaming/Multicasting

CAMERA SPECIFICATIONS

1080p60/1080p30/720p60 PTZ Camera
12x optical zoom
70-degree field of view
Auto focus/automatic gain control

AUDIO CHARACTERISTICS

AUDIO INPUTS/OUTPUTS

Unbalanced Audio, USB,
Balanced Audio (Pro 600 model)

AUDIO FEATURES

Automatic Noise suppression (ANS)
Automatic gain control (AGC)
Voice Activity Detection (VAD)

AUDIO STANDARDS

20KHz AAC-LD
14KHz: G.722.1 Annex C
7KHz: G.722, G.722.1
3.4KHz: G.711, G.723.1, G.728, G.729, AMR (3G)

DATA CHARACTERISTICS

DATA SPECIFICATIONS

Data Sharing methods
Laptop plug in
USB Storage key
Documents: PPT, PPTX, PPS, PPSX, DOC, DOCX,
XLS, XLSX, Video clips (AVI, MPEG, WMV, etc)
Graphic files (BMP, GIF, TIF etc)
H.239 support, Sending & receiving capability
2 live video sources or 1 live source and Data source

RESOLUTIONS SUPPORTED

1080p, 720p, XGA, SVGA, 4CIF, VGA, CIF

NETWORK CHARACTERISTICS

STANDARD SUPPORTED

ITU-T: H.323 v4.2,
SIP RFC3261

NETWORK OPTIMIZATION

NAT IP address mask, Port pinholing
Adaptive Bandwidth Adjustment,
Packet loss recovery (FEC), Packet ordering,
Packet duplication control, jitter correction
Lip sync correction, Overhead prediction
Max packet size adjustment

DIALING MODES

Manual, Speed dial, Personal address book,
Online directory, Multicast viewer,
Through API

SECURITY & ENCRYPTION

Encryption using H.235 (AES - 128)
Supports ClearOne NetPoint (Firewall Traversal)
Network address translation (NAT)
Supports restricted access to users via admin
H.460 Support

CONTROL

International remote control
Embedded web-based management
Telnet API for AMX/crestron
Far End Camera Control

DIRECTORY SERVICES

1000+ local number directory
10,000+ global number directory
H.350 support (thru COLLABORATE Central)
LDAP online directory support,
OpenLDAP
Active Search and Filter queries

PHYSICAL CHARACTERISTICS

DIMENSIONS (L x W x H)

210mm x 340mm x 54mm

WEIGHT

3.1Kg

ENVIRONMENTAL CHARACTERISTICS

TEMPERATURE

0°C-40°C

STORAGE TEMPERATURE

20°C-80°C

HUMIDITY

15 - 80% humidity

POWER SUPPLY

19VDC, 120W (40W typical)

INPUT VOLTAGE

120VAC - 230VAC

OPERATING FREQUENCY

50Hz - 60Hz

LANGUAGE SUPPORT

English, French, German, Italian, Chinese (Simplified,
Traditional), Korean, Russian and Japanese

MODELS

ROOM PRO 500 SERIES

Room Pro 500 (base unit)
Room Pro 510 (base unit, camera and COLLABORATE
Microphone Array)
Room Pro 520 (base unit, camera and Beamforming
Microphone Array)

ROOM PRO 600 SERIES

Room Pro 600 (base unit)
Room Pro 610 (base unit, camera and COLLABORATE
Microphone Array)
Room Pro 620 (base unit, camera and Beamforming
Microphone Array)

ADDITIONAL SOFTWARE LICENSE AND CODEC OPTIONS

910-401-801 Multipoint 4-way License
910-401-802 Multipoint 6-way License
910-401-803 Multipoint 8-way License

RACK MOUNT KIT

910-401-913 Rack Mount Kit for COLLABORATE Room
Pro series

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