

PROAV DESIGN GUIDE

The Crestron Sightline Experience

AI Voice-activated multi-camera tracking for large hybrid rooms



Reference layout: 4x 65" displays, four PTZ tracking cameras, ceiling speakers, conference table for up to 14.

An equitable hybrid experience.

Crestron SightLine - the SightLine large room design is a fully automated AI voice-activated camera tracking meeting room solution designed for the specific needs of hybrid meetings in rooms larger than 20 feet. The room features a voice-activated multi-camera tracking video solution that works with any native or soft codec conferencing platform.

Intelligent AI video conferencing is needed in a wider array of spaces and use cases than ever before - from hybrid meetings and active learning to town halls and live streaming. Crestron has every space covered with the widest portfolio of voice-activated and intelligent camera tracking available.

So much of human communication is non-verbal: gestures, facial expressions, body language, eye contact. The more remote participants see, the more they feel part of the team. The more automated the solution, the more worry-free it is for in-room participants.

FOOTPRINT	TECHNOLOGY	FURNITURE
22' x 40' 880 sq ft Seats: up to 14	\$75K-\$95K Camera tracking, video, audio & control	\$75K-\$160K Large Table & Seating for 14 participants

KEY FEATURES

- Voice-Activated Tracking
- 8x PTZ Cameras
- 8 65" Displays
- Teams + Zoom Ready
- Wireless Collaboration
- Crestron Control

PRICING NOTE

All pricing is conceptual and based on the wide range of product choices available. Each space has unique considerations: acoustics, build-out,

SPECIFICATION SHEET

Recommended Equipment Schedule

Curated AV stack used in this lecture hall reference design.



Voice-activated camera tracking
with four PTZ cameras following each speaker automatically.



Quad 65" displays
give every seat clear sight lines to remote participants.

TECHNOLOGY PRODUCTS

DISPLAYS:

LG 4K UHD Commercial Display 65" (8x)
Chief X-Large Micro-Adjustable Tilt Wall Mount XTMIU (8x)

INPUT SOURCES:

Crestron UC-CX100-T Flex Advanced kit for Microsoft Teams Rooms + BYOD
Crestron AM-3200-WF AirMedia Series 3 wireless w/ Wi-Fi
Crestron CEN-ODT-C-POE occupancy sensor
Crestron HD-CONV-USB-300 USB converter w/ HDMI + analog audio

VIDEO PROCESSING:

Crestron DM-NVX-E30 / D30 4K60 4:4:4 HDR encoder & decoder
Crestron DM-NVX-363C with Dante audio
Crestron DMF-CI-8 DigitalMedia 8-slot card chassis
Netgear M4250 GSM4230PX 24-port AV-line PoE+ switch (480W)

AI CAMERA SWITCHING:

Crestron Automate VX Pro System Series 2 Voice-Activated, Multi-Camera Switching Solution
Crestron IV-CAM-P-12-W PTZ camera 12x optical zoom, white (8x)



SOUND SYSTEM:

Shure IntelliMix P300-IMX conferencing DSP
Shure MXA920 ceiling-array microphone (2x)
Crestron AMP-X300 4-channel power amplifier
Crestron SAROS IC6T-W-T 6.5" in-ceiling 70/100V speakers

CONTROL SYSTEM:

Crestron TSW-1080 10" tabletop and wall touch panel
Crestron CP4N 4-Series network control system

OTHER:

Crestron FT2-700 cable cubbies

FURNITURE PRODUCTS

SEATING:

Table seating for up to 14 participants

TABLES | DESKS:

Large conference table for 14



TIMELINE

DESIGN	1 week	PROCUREMENT	2 weeks	PRODUCTION	2 weeks	INSTALLATION	2 weeks
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