

PROAV DESIGN GUIDE

Cafe Break Room

Large-scale multi-purpose space for dining, socializing, meetings, and presentations.



Reference layout. 136" dvLED video wall, 98" centerpiece display, 55" column displays, motorized projection.

A gathering hub for the whole company.

The Cafe Break Room is designed for organizations that need a large-scale multi-purpose space for a large employee group. Dining, socializing, meetings, and presentations are all accommodated with a variety of settings: cafe tables, booths, and group tables with various seating postures.

In this expansive setting the dvLED video wall is 136" and acts as the centralized hub for visual content, supported by two sets of dual 55" displays on both sides of each column and a single 98" display. During large formal presentations a Panasonic 4K laser projector pairs with a 180" diagonal motorized screen for an additional visual reference in the center of the space.

Distributed content can include cable TV tuners, network audio music, digital signage, and laptops. A wall-mounted touch panel or iPad selects any source to be viewed on one or more displays. Five booths each have a dedicated 32" display for personal devices. Audio runs at low volume through ceiling speakers with assistive listening support.

FOOTPRINT	TECHNOLOGY	FURNITURE
60' x 109' 6,540 sq ft Seats: 300+	\$110K-\$180K dvLED wall, projection, audio, NVX & control	\$125K-\$175K Booths, cafe tables, high tops & lounge

KEY FEATURES

- 136" dvLED Video Wall
- 98" + 55" Column Displays
- 4 Laser Projection
- Booth 32" Displays
- Assistive Listening
- Crestron Control

PRICING NOTE

SPECIFICATION SHEET

Recommended Equipment Schedule

Curated AV stack used in this lecture hall reference design.



Centralized 136" dvLED
flanked by 98" + dual 55" column displays + 180" projection.



Personal-device booths
five booths each with dedicated 32" display for sharing.

TECHNOLOGY PRODUCTS

VIDEO WALL & PRIMARY DISPLAYS:

Planar UltraRes L Series URL136-T 136" all-in-one dvLED display
 LG 98" UHD LED commercial display (1x)
 Chief XTMIU X-Large Micro-Adjustable Tilt Wall Mount (1x)

COLUMN DISPLAYS:

LG 55" UHD Slim Commercial Display – 700-nit, webOS (4x)
 Two sets of dual 55" displays on either side of each column
 Chief LTMIU Large Micro-Adjustable Tilt Wall Mount (4x)

BOOTH DISPLAYS:

LG 32" HD Commercial TV LN340C (4x)
 One dedicated 32" display per booth for personal-device share

PROJECTION:

Panasonic PT-RCQ80BU7 8,000-lumen WUXGA 4K laser projector
 Da-Lite 184" 16:9 Tensioned Contour HD Progressive 1.1 screen

VIDEO DISTRIBUTION:

Crestron DM-NVX-E30 4K60 4:4:4 HDR network AV encoder (10x)
 Crestron DM-NVX-D30 4K60 4:4:4 HDR network AV decoder (11x)
 Netgear M4250 GSM4230PX 24-port AV-line PoE+ switch (480W)

INPUT SOURCES:

Laptops (owner-furnished equipment) iPad (owner-furnished equipment)
 BlueSound B100S BluOS network audio music streamers
 BrightSign digital signage sources
 Cable TV tuners (3x)

VIDEO CONFERENCE SYSTEM:

Logitech Rally 4K PTZ conferencing camera (2x)
 Laptops (owner-furnished equipment)

AUDIO & CONTROL ON PAGE 3

Page 3 covers the sound system (Biamp DSP, Dante ceiling speakers, Williams Sound assistive listening), control system, and furniture.

TIMELINE

DESIGN

2 weeks

PROCUREMENT

3 weeks

PRODUCTION

2 weeks

INSTALLATION

3 weeks

SPECIFICATION SHEET

Recommended Equipment Schedule

Curated AV stack used in this lecture hall reference design.



Distributed audio
low-volume background music plus voice reinforcement.



Tech-integrated furniture
Salamander, Heckler Design, Steelcase partners.

SOUND SYSTEM

AUDIO DSP:

Biamp TesiraFORTE X 1600 DSP sound processing

CEILING SPEAKERS:

SoundTube IPD4-CM52-BGM-II 5.25" Dante ceiling speaker (16x) Distributed coverage across cafe, booths, and gathering zones

WIRELESS MICROPHONES:

Wireless presenter microphones for voice reinforcement
 Used during formal presentations and announcements

ASSISTIVE LISTENING:

Williams Sound WF WR10 wireless access point + receivers
 ADA-compliant support for deaf or hard-of-hearing attendees

CONTROL & FURNITURE

CONTROL SYSTEM:

Crestron TSW-1070 10" wall-mount touch panel
 Crestron RMC4 4-Series control system

DISPLAY MOUNTING:

Chief XTMIU X-Large Micro-Adjustable Tilt Wall Mount (1x, 98")
 Chief LTMIU Large Micro-Adjustable Tilt Wall Mount (4x, 55")

FURNITURE PRODUCTS

SEATING:

Guest seating Stools
 Benches
 Lounge seating
 High-top seating

TABLES | DESKS:

High bench table
 Cafe tables
 Mobile tables



TIMELINE

