TekWorks is quickly becoming a leader in turnkey Audio Visual Systems throughout Southern California. The TekWorks advantage is the convergence of IT and AV expertise within a single company. From the basic conference room to enterprise-wide videoconferencing deployments, TekWorks is a full-systems integration company that handles all aspects of a project from design to implementation to post-installation maintenance. TekWorks AV team consists of in-house programmers, engineers, project managers and technicians certified to support commercial equipment such as Crestron, Extron and Polycom.

Whether it is a Touch Panel Control system, campus wide Video Distribution, auditorium Sound Reinforcement, Multi-Display VideoWalls or Interactive Touch Boards; you have chosen the front runner of AV technology by choosing TekWorks.
### Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>#</td>
<td>Pound or Number</td>
</tr>
<tr>
<td>AAC</td>
<td>Above Accessible Ceiling</td>
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<tr>
<td>AFF</td>
<td>Above Finished Floor</td>
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<tr>
<td>AV</td>
<td>Audio/Video</td>
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<tr>
<td>FT</td>
<td>Foot</td>
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<td>IN</td>
<td>Inch</td>
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<td>J-BOX</td>
<td>Junction Box</td>
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<td>KP</td>
<td>Key Pad</td>
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<tr>
<td>NTS</td>
<td>Not to Scale</td>
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<tr>
<td>PTZ</td>
<td>Pan/Tilt/Zoom</td>
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<tr>
<td>QTY</td>
<td>Quantity</td>
</tr>
<tr>
<td>TBD</td>
<td>To Be Determined</td>
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<tr>
<td>TYP</td>
<td>Typical</td>
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<tr>
<td>VTC</td>
<td>Video Teleconferencing</td>
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### Drawing Index

**Title Sheet**
- **Package 1**: Flat Panel Display Presentation
- **Package 2**: Flat Panel Display Presentation Room with VTC
- **Package 3**: Integrated Dual Display Video Conference Room
- **Package 4**: Basic Projector Presentation Room
- **Package 5**: Projector Presentation Room
- **Package 6**: Projector Video Conference Room
- **Package 7**: Dual Projector Training Room
PACKAGE ONE

Flat Panel Display Presentation Room - $6,000 - $8,000

(1) 1080p Display with Tilt Wall Mount
(1) Table Top Input for VGA with Audio and HDMI
(1) VGA with Audio and HDMI Extender with EDID Management
(1) Wall Mounted Keypad Control System

Package 1 is designed for smaller meeting spaces where a simple yet effective presentation system is required. Users will be able to see the presentation clearly on a screen that is appropriately sized for the space and hear audio content through the display speakers. The simple system provides users the flexibility to use both analog and digital connections from a laptop source and ensures that the content will be displayed full screen. A wall-mounted keypad will provide the ultra-simple, automated system start-up and will allow for IT staff to remotely monitor and control the system components.
PACKAGE TWO

Flat Panel Display Presentation Room with VTC - $16,500 - $20,000

(1) 1080p Display with Tilt Wall Mount
(1) Table Top Input for VGA with Audio and HDMI
(1) VGA with Audio and HDMI Extender with EDID Management
(1) Wall Mounted Keypad Control System
(1) Video Conference System with Camera, Codec, Microphone, and Remote

Package 2 provides HD videoconferencing for smaller meeting spaces and also includes a basic presentation system. Users will be able to conduct videoconferencing sessions that include content sharing as well as standard laptop presentation meetings that do not require videoconferencing. The videoconferencing system will be controlled using the codec remote control. A wall-mounted keypad will provide ultra-simple, automated system start-up of the presentation system and will allow for IT staff to remotely monitor and control the system components.
PACKAGE THREE

Integrated Dual Display Video Conference Room - $45,000 - $55,000

(2) 1080p Display with Tilt Wall Mount
(1) Table Top Input for VGA with Audio and HDMI
(1) VGA with Audio and HDMI Extender with EDID Management
(1) 4x4 HDCP Compliant Digital Matrix Switcher
(1) Codec
(1) HD PTZ Camera
  Table Top Microphones
(1) Audio DSP with Built in Telephone Hybrid
  In Ceiling Speakers
(1) Amplifier
(1) 9” Table Top Touch Panel
(1) Master Control Processor
(1) Equipment Rack

Package 3 includes a fully integrated presentation room with HD videoconferencing. Designed for slightly larger groups than Package 1 & 2, this room provides state of the art technology for a much more “immersive” type experience. Along with HD videoconferencing, this system is also capable of standalone audio conferencing that utilizes the same microphones and speakers used during a videoconference. The entire system is easily operated using a vibrant 9” touch panel. The touch panel interface is “custom” designed during a collaborative effort between TekWorks and the client. The control system will also allow IT or Facilities staff to remotely monitor and control the system.
PACKAGE FOUR

Basic Projector Presentation Room - $4,000 to $6,000

(1) 3000 Lumen WXGA Projector with Ceiling Mount and Remote
(1) Ceiling Recessed Manual Projection Screen 16:10 Aspect Ratio 1.5 Screen Gain
(1) Table Top Input for VGA with Audio and HDMI
(1) VGA with Audio and HDMI Extender with EDID Management

Package 4 is designed for mid-size meeting spaces where a budget friendly, yet effective presentation system is required. This system provides users the flexibility of both analog and digital connections from a laptop source and ensures that content will be displayed full screen. A manual projection screen that can raise and lower will be installed in the drop-tile or hard-lid ceiling and will ensure an aesthetically pleasing look. Projection screen size and material is selected based on the specific room environment and type of content typically displayed. Audio content will be outputted through the projectors built-in speakers. The projector will be controlled using the manufacture provided remote.
PACKAGE FIVE

Projector Presentation Room - $12,000 to $15,000

(1) 4000 Lumen WXGA Projector with Ceiling Mount
(1) Ceiling Recessed Electric Projection Screen 16:10 Aspect Ratio 1.0 Screen Gain
(1) Table Top Input for VGA with Audio and HDMI
(1) VGA with Audio and HDMI Extender with EDID Management
   In Ceiling Speakers
(1) Amplifier
(1) Wall Mounted Keypad Control System

Package 5 is designed for mid-size meeting spaces where performance, ease of use and flexibility in the presentation system are required. This system provides users the flexibility of both analog and digital connections from a laptop source and ensures that content will be displayed full screen. A motorized projection screen will be installed in the drop-tile or hard-lid ceiling and will ensure an aesthetically pleasing look. Projection screen size and material is selected based on the specific room environment and type of content typically displayed. In-ceiling speakers will be installed and will provide complete room audio coverage. This proposal uses a slightly brighter projector to improve the overall image quality and user experience. A wall-mounted keypad will provide ultra-simple, automated system start-up and will allow for IT staff to remotely monitor and control the system components.
PACKAGE SIX

Projector Video Conference Room - $55,000 to $65,000

(1) 6000 Lumen WUXGA Projector with Ceiling Mount
(1) Ceiling Recessed Electric Projection Screen 16:10 Aspect Ratio 1.0 Screen Gain
(1) Table Top Input for VGA with Audio and HDMI
(1) VGA with Audio and HDMI Extender with EDID Management
(1) 4x4 HDCP Compliant Digital Matrix Switcher
(1) Codec
(1) HD PTZ Camera
   Table Top Microphones
(1) Audio DSP with Built in Telephone Hybrid
   In Ceiling Speakers
(1) Amplifier
(1) 9” Table Top Touch Panel
(1) Master Control Processor
(1) Equipment Rack

Package 6 includes HD videoconferencing, audioconferencing and a state-of-the-art presentation system for mid-size meeting spaces. A 6,000 lumen projector with 1920x1200 resolution will provide a pristine image onto a ceiling recessed projection screen that is custom sized for the specific room environment. Both analog and digital laptop connectivity is provided and our design ensures that content will be displayed full screen. Complete room audio coverage is provided using overhead speakers and low-profile table microphones are utilized during a video or audioconference. The entire system is easily operated using a vibrant 9” touch panel. The touchpanel interface is “custom” designed during a collaborative effort between TekWorks and the client. The control system will also allow IT or Facilities staff to remotely monitor and control the system.
PACKAGE SEVEN

Dual Projector Training Room - $60,000 to $70,000

(2) 4000 Lumen WXGA Projectors with Ceiling Mounts
(2) Ceiling Recessed Electric Projection Screens 16:10 Aspect Ratio 1.0 Screen Gain
(2) Inputs for VGA with Audio and HDMI
(2) Inputs for Podium PCs
(4) VGA with Audio and HDMI Extenders with EDID Management
(1) 4x4 HDCP Compliant Digital Matrix Switcher
    In Ceiling Speakers
(2) Amplifier
(2) 9” Table Top Touch Panel
(1) Master Control Processor

Package 7 is designed for large multi-purpose rooms that require ultimate flexibility for training sessions, all hands meetings, breakout sessions and standard presentations. A dual projection system will allow for large audiences to effectively view presentation content on two ceiling recessed projection screens that are appropriately sized for the room environment. Digital and analog inputs will be strategically placed in the room to allow for multiple furniture configurations, podium placement and presenter positions. In-ceiling speakers will provide complete room coverage for audio content. The entire system is easily operated using a vibrant 9” touch panel. The touch panel interface is “custom” designed during a collaborative effort between TekWorks and the client. The control system will also allow IT or Facilities staff to remotely monitor and control the system.
UPGRADE OPTIONS

Asset Management System
- Network Based Control Console for All Conference Room
- Remote Help Desk
- Email Notifications of System Malfunctions, Equipment Removal, Preventative Maintenance

Room Scheduling Touch Panel
- Network Based System that Integrates with Microsoft Exchange
- Displays Meeting Information Outside of the Conference Room
- Allows for Advanced Automation Functions

Mobile Device Control System Integration
- Allows for Control of the Conference Room from an iPad or Android Device

Additional HD Sources
- Add a Blu Ray Player, Apple TV, HD Document Camera, or HD Cable/Satellite Receiver to a Conference Room

Conference Phone
- Add a Standalone Analog or VoIP Conference Phone

Digital Signage Display and Television
- Add a Standalone Analog or VoIP Conference Phone
- Add a Flat Panel Display with Mount and Integrated Tuner

Recording/Room Capture
- Add a Room Capture Device with Inputs for an HD or SD Camera and HD Content.

Videoconferencing
- Options for Single or dual cameras depending on size and functionality of space
- Content sharing in multiple configurations
- Multi-Point Capabilities for connecting to other locations
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