Cabling, devices, signal distribution and accessories connect and manage data flow between audio-visual equipment. A standards-based approach allows for a flexible system that is scalable and future-ready.

### COMPONENTS OF YOUR COMPLETE TECHNOLOGY SOLUTIONS

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Signal Distribution and Switching</strong></td>
<td>Connects sources and endpoints for video and audio</td>
</tr>
<tr>
<td><strong>Power Systems</strong></td>
<td>UPS, PDUs, surge protection and powerstrips protect devices from power surges and provide backup in case of short-term power loss</td>
</tr>
<tr>
<td><strong>Structured Cabling</strong></td>
<td>Supports industry standards for deploying IP-enabled devices with category cable, fiber and low-voltage cable</td>
</tr>
<tr>
<td><strong>Connectivity</strong></td>
<td>Allows devices to pull information directly from a wired or wireless network</td>
</tr>
<tr>
<td><strong>Furniture, Racks and Mounts</strong></td>
<td>Houses, displays and protects A/V equipment while allowing easy access when necessary</td>
</tr>
</tbody>
</table>

### COMMON CHALLENGES

- Enabling **INTEROPERABILITY** between systems
- Following standards-based cable **INSTALLATION** practices
- Utilizing **FUTURE-READY** deployment
- Providing **REDUNDANCY** for system reliability
- Ensuring **EASE OF USE** for operators

In order to take advantage of A/V technologies that transmit, store and analyze data and that automate routine processes, integrators must understand the network and the industry standards for capabilities such as video transport, data compression and connectivity, which are key to the flow of information.

Source: InfoComm, Pro AV and the Internet of Things
TECHNOLOGY SOLUTIONS

Interoperability
Similar to a LAN environment or data center, we recommend a standards-based approach to structured cabling that will allow active products to perform at a high level, regardless of the vendor.

Cable installation
Cables must be connectorized and dressed appropriately to allow for smooth operation. A qualified contractor will be able to achieve this.

Future-ready
To maximize the benefits of your infrastructure installation, we recommend deploying Category 6A cabling, which will allow for future upgrades to HDBaseT and PoE.

Redundancy
A professional A/V system that works over a wireless network should have a wired backup so that communications and productivity are not disrupted by technical difficulties.

Ease of use
Quality design is the key to ease of use. You must fully define the use of a room, and work with a qualified integrator to design a solution that meets your needs but is not more complex than necessary.

CONCEPTUAL SYSTEM LAYOUTS FOR YOUR CONSIDERATION

Professional A/V solutions supplied by Anixter

HDBase T

CONNECTOR STYLES

VGA
HDMI
Displayport
USB Type-C
RG 45 Connector
SC Fiber Connector

FOR MORE INFORMATION VISIT ANIXTER.COM/PROAV OR CONTACT YOUR LOCAL ANIXTER REPRESENTATIVE.