



Chief set out to create the best video wall system – a system that solves the most common problems installers often run into on the worksite. We achieved those goals with the new ConnexSys™ Video Wall Mounting System.

THE CONNEXSYS STORY

The solution began by working with dealers and installers to get feedback on available video wall options, and Chief continued to gather feedback at each step in the development process.

“Alignment can take up 50-70 percent of the install time,” said Kathryn Gaskell, product manager. “This new system quickly aligns rows for substantial time savings. For massive video walls, it’s exponential.”

“It took out a lot of the guess work to keep everything aligned. What had seemed like an extremely difficult task was accomplished in no time at all.”

- Marko Scott, Installation Technician at AVI-SPL



SEE HOW IT WORKS

Watch Mike Moon, Chief's Training & Installation Manager, install a 3x2 video wall using ConnexSys.



THE BREAKTHROUGH CONNEXSYS VIDEO WALL SYSTEM FEATURES

Speed

Use a single strut channel per row for multiple mounts. This quickly aligns the entire row and removes the need for spacers to measure horizontally between mounts. Compatible with most 1-5/8" sizes of channel strut.

Alignment

The PowerZone™ features six points of tool-free height, tilt, lateral and depth adjustment all found in one easy-to-access location at the top of the mount. Tilt adjustment at a single point protects displays from potentially harmful twisting, and generous depth adjustment allows for a range of home positions between 4 and 7.3" (102-186 mm) to easily line up with recess applications and accommodate walls up to 2" (51 mm) out of alignment horizontally.

Serviceability

The RapidDraw™ Display Release feature gives installers access to any display on the video wall via a controlled pull cord, removing the possibility of accidental pop-outs from people bumping into screens. This also protects the displays by reducing the frequency and aggressiveness of screen pushing. Once released, the mounts can be pulled out up to 13.7" (340 mm) from the wall for service. Engage the kickstand to 20 degrees for even more room to work.

Rigidity

Chief engineers added rigidity to the solution to maintain precise alignment, even after a screen is pulled out for service.



ORDERING OPTIONS

ConnexSys Mounts Without Rails

ConnexSys universal video wall mounts are ideal for large-scale, seamless video walls and recessed applications. Two models ship without rails so installers can source strut locally to hang multiple mounts to one rail and reduce installation time. Available in portrait and landscape orientations.

ConnexSys Mounts With Rails

ConnexSys can also be ordered with individual rails for each mount – ready to install right out of the box. Rail models are available in both portrait and landscape orientations.



LVS1U

42 - 80" Landscape Mount with Rails

LVS1UP

40 - 80" Portrait Mount with Rails

LVXSU

42 - 80" Landscape Mount without Rails

LVXSUP

40 - 80" Portrait Mount without Rails

SPECIFICATIONS

| Model | Includes Rails | Orientation | Weight Capacity | Dimensions (HxWxD) | Mounting Patterns (WxH) | Tilt | Height Adjust | Total Depth Adjust |
|--------|----------------|-------------|--------------------|--|------------------------------|----------------|-----------------|--------------------|
| LVS1U | Yes | Landscape | 150 lbs (68 kg) | 21.8 x 35.5 x 4" (554 x 903 x 102 mm) | 200 x 100 - 700 x 400 mm* | +4° / -2.5° | ± 1" (25 mm) | 3.41" (87 mm) |
| LVS1UP | | Portrait | | 32.5 x 19.5 x 4.1" (826 x 496 x 104 mm) | 200 x 100 - 800 x 400 mm | | | |
| LVXSU | No | Landscape | | 21.8 x 35.5 x 4" (554 x 903 x 102 mm) | 200 x 100 - 700 x 400 mm* | | | |
| LVXSUP | | Portrait | | 32.5 x 19.5 x 4.1" (826 x 496 x 104 mm) | 200 x 100 - 800 x 400 mm | | | |

*FHB5050 interface adapter available to accommodate 800 x 400 mm mounting patterns.

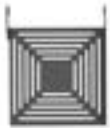


ACCESSORIES



| FHB5050 | Dimensions* |
|-----------------------------------|--|
| 800 x 400 mm Interface Adapter | 17 x 4.71 x 0.63" (432 x 120 x 16 mm) |

**Dimensions given are for one side of the two-piece FHB5050 bracket.*



| CSA100 | Dimensions |
|---------------|--|
| Device Holder | 9.85 x 7.97 x 1.49" (250 x 202 x 38 mm) |



| CSACLIPS | Dimensions |
|-------------------------------|--|
| Cable Quick Ties (Qty 100) | 1.38 x 0.75 x 0.89" (35 x 19 x 23 mm) |



| CSACK06B | Dimensions | Compatibility |
|----------------|--|-------------------------|
| Side Cover Kit | 6" depth x 84" length (15.4 x 213.4 cm) | All ConnexSys Mounts |

“It really is a no brainer when it comes to leveling. You should be able to cut your installation time in half.”

- Vince DiStasio, Vice President at Video Visions

LEED® RECYCLED CONTENT

Chief is an ISO 9001:2008 certified manufacturer with a number of products that qualify for credits in Materials & Resources for recycled content, including the ConnexSys video wall mounting system. Please email LEED@milestone.com for information on other Chief products.

| Model | Recycled Content | LEED Recycled Content (Post-consumer + ½ Pre-consumer) |
|-------|---|---|
| LVS1U | 19.6% Post Consumer 14.3% Pre Consumer | 26.75% |

VIDEO WALL WITH A TWIST

Challenge

A cellular store in a Canadian mall wanted to catch the eyes of passing shoppers. The architect wanted more than a simple 5x5 video wall and designed it to fit into a corner with the last column on the adjacent surface. On top of that, the installer only had 3-4 days to get the job done.

“The challenge was the super narrow bezel, a 90 degree bend, and to maintain serviceability,” said Gil Gauthier, Certified Technology Design Specialist at Advance Pro in Winnipeg, Canada. Advance Pro is an electronic systems integrator for audio, video, communications, security and multimedia.

“It keeps the installer happy. It keeps the job on track. And even if the customer doesn’t care about the bracket, they care that the wall works.”

Solution

The installers at Advance Pro had used Chief mounts previously for smaller video walls, but when Gauthier showed the team a video of the new ConnexSys Video Wall Mounting System from Chief, he said the installer told him he wouldn’t touch this job unless they used a Chief bracket.

Gauthier said the biggest advantage of the ConnexSys system is the ability to hang the mount from standard strut channel, a common item for AV installers. “It’s kind of like the Lego® block of the installer world,” he added.



Senior technician, Joe Premecz, expects to encounter imperfect walls on the job site, which makes lining up displays a challenge with individual mounts. The use of strut channel, though, to provide an even reference surface, allowed him to accommodate the distortions of the wall.

“By attaching the mounts to the steel, the panels were near proper alignment from the start,” he said.



The installer only had three days on site to put in the wall on top of working around the electrician, flooring and lighting installers. They were using ultra narrow NEC displays with no bezel and a total gap of one millimeter between the monitors. On top of that, the last column's perpendicular placement would be a huge challenge.

To meet that challenge, Premecz said the ability to slide the displays horizontally and adjust the depth made it easy to line up the corner edges of the screens.

“The challenge was the super narrow bezel, a 90 degree bend, and to maintain serviceability.”

They spent half a day making sure the strut channel was installed and square, then put up the 25 panels in about three hours.

“They were a huge time saver,” Premecz said.

Though there was a short turn around for delivery, Chief was able to ship new mounts directly from the factory to arrive on site when needed.

“I know the installer kind of went white when he heard the 90 degree part,” Gauthier said. “It’s already a challenge to line up. If it wasn’t for those brackets, I don’t know how he would have done it.”

The micro adjustment allowed by the ConnexSys system to line up the screens safely before locking them in place, the quick leveling using strut channel to hang the main row of four screens, and the need for ultra precise alignment for the high definition content made the job possible and efficient.

“There’s no way it would have happened otherwise,” Gauthier said. “It keeps the installer happy. It keeps the job on track. And even if the customer doesn’t care about the bracket, they care that the wall works.”

Serviceability was also key. They needed front access to adjust and change content and software. The RapidDraw release system helped the installer pop out only the displays he needed to access at the time.

Results

The client is running live video, sporting events and ads to draw people in to the store. Gauthier said any specs he does, he just puts Chief in now – that whatever extra price might be involved is more than covered by savings in installation costs, allowing the company to work tighter deadlines.

“Chief listened to installers,” Gauthier said. “This is a prime example of making life easier for installation guys. They said this makes life better and easier. It makes clients happier. The overall project was easier and smoother. It’s win win win. By looking after the installers, we are looking after everybody.”

INSTALLATION TIPS

Visit us at milestone.com/connexsys for access to installation videos, literature, BIM models and links to the following online tools:

ConnexSys Mounts in Recessed Installations

Get installation tips for using ConnexSys in recessed applications from Chief engineer Mike Moon. In this learning module Mike gets in depth on topics ranging from screen alignment within a recessed space to specifying the recessed depth needed and Chief's suggestions for routing RapidDraw cords.



ConnexSys Mounts for Curved Walls

Did you know the ConnexSys mounting system is approved for use in certain curved video wall applications? We've put together a guide for determining if ConnexSys is a good match for your curved wall installation.

CHIEF INSTALLATION GUIDE
ConnexSys series

CURVED VIDEO WALL GUIDELINES

The ConnexSys system is not intended for use on curved walls unless wall applications. Ask your sales rep if your install fits the criteria. Use this guide to determine if ConnexSys is a good match for your curved wall installation. For comprehensive guidelines on mounting the CHIEF please reference the installation manual.

Direct Channel & Curve Radius Requirements

ConnexSys is compatible with curved walls with a radius of 200" (5.08 m) or greater. The direct channel system being used should also follow the guidelines listed in the chart below.

| | CHIEF System Wall/Radius | |
|------------------------|--------------------------|------------------|
| | Minimum | Max |
| Minimum Wall Radius | 200" (5.08 m) | 200" (5.08 m) |
| Minimum Wall Thickness | 0.125" (3.18 mm) | 0.125" (3.18 mm) |
| Maximum Channel Depth | 0.125" (3.18 mm) | 0.125" (3.18 mm) |
| Channel Channel Depth | 0.125" (3.18 mm) | 0.125" (3.18 mm) |
| Channel Length | 0.125" (3.18 mm) | 0.125" (3.18 mm) |

Calculating the Wall Radius

- Place a string (or chalk or chalk wheel) against the wall at 90° to the wall, preferably against the corner and as close to the corner as possible. Do NOT touch the wall or chalk.
- Measure the string gap between the disk or chalk and the wall.
- Calculate the radius with the following formula:
 $Radius = \frac{L^2}{8 \times G} + \frac{G}{2}$

Example:
 Radius = 200" (5.08 m)
 Gap = 0.125" (3.18 mm)
 Length = 100" (2.54 m)



For more information, contact an Account Manager today.

Business Solutions | Enterprise Solutions | Public Sector Solutions
 1.800.800.0014 | 1.800.369.1047 | 1.800.800.0019

www.connection.com

© 2017 PC Connection, Inc. All rights reserved. Connection® and we solve IT® are trademarks of PC Connection, Inc. All other copyrights and trademarks remain the property of their respective owners. C1718265 0322



© 2017 Milestone AV Technologies. 140048H 10/17 Chief is a registered trademark of Milestone AV Technologies. All other brand names or marks are used for identification purposes and are trademarks of their respective owners. All patents are protected under existing designations. Other patents pending.



BRANDS OF MILESTONE AV TECHNOLOGIES
 Chief | Da-Lite | Projecta | Sanus | Vaddio