

AV Integrator Solves Install Challenges with ViewSonic Products



The challenge

- ▶ Outfit business office and church campus with leading tech
- ▶ Required foolproof control over LAN
- ▶ Wide ranging needs included:
 - Commercial-quality large screen displays
 - Enterprise-grade desktop displays
 - High lumens ultra-short throw laser projection

The solution

ViewSonic CDE series displays delivered quality and LAN control

- ▶ CDE4803 48" Full HD LED commercial display
- ▶ CDE5510 55" 4K Ultra HD commercial display
- ▶ CDE6510 65" 4K Ultra HD commercial display
- ▶ CDE7500 75" 4K Ultra HD commercial display

ViewSonic laser projection solutions delivered high quality images in difficult spaces

- ▶ ViewSonic LS830 1080p laser projector with 4,500 lumens
- ▶ ViewSonic BCP120 BrilliantColorPanel™ projection screen

A variety of ViewSonic desktop monitors rounded out the needs:

- ▶ ViewSonic TD2220 - 22" Full HD interactive display
- ▶ ViewSonic TD2421 - 24" Full HD interactive display
- ▶ ViewSonic VG2248 - 22" Full HD monitor
- ▶ ViewSonic VG2748 - 27" Full HD monitor

Customer profile

Founded in 2012 by partners Ben Graham and Garrett Walker, Crown Design Group offers a personalized AV integration experience. Dedicated to offering comprehensive AV planning and installation services with the utmost quality and integrity, CDG brings excellence to projects of any size or scope. Their passion to see churches and organizations leverage technology to attract, involve and inspire results in stunning, functional installations.

The challenge

Bayside Community Church is a fast-growing church with six campuses across the Florida Gulf coast from Sarasota to the Tampa Bay area. Having met on a Bayside production crew, Crown Design Group founders Ben Graham and Garrett Walker have been taking care of the church's AV needs ever since.

In 2018, Bayside approached Crown Design Group with two challenges. The church had begun construction on an office building in Bradenton, FL and was ready to outfit it from top to bottom with leading equipment. A key component in the leading-edge design would be easy, centralized control throughout the building.

"We planned out a foolproof way of controlling everything over Ethernet," said Walker. "Audio, music players, display, timers, source selection – everything needed to work seamlessly and with centralized control."

The complex build-out included a massive array of AV equipment. On the display side, Bayside wanted a large-screen display and laser projector for their central command room; multiple large-screen displays for meeting rooms and offices; and touchscreen monitors for tactical control of media players and recording decks.

"We decided on the Q-SYS software platform as our central control unit," said Walker. "We needed displays that would work seamlessly with the system. We needed it to be foolproof."

What's more, said Walker, the displays needed to be top-notch commercial quality that could handle 24/7 workloads without fail. The final requirement: a high-quality laser projector with enough lumens to shine bright in rooms with lots of ambient light. And of course, it all had to meet their budgeted price points.

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The results

- ▶ Client satisfaction with 1st facility led to similar install at 2nd location
- ▶ Client has praised performance, fit and form of installed ViewSonic products
- ▶ ViewSonic products perform seamlessly with Q-SYS control over LAN
- ▶ Projection solution proved ideal for difficult space requirements



ViewSonic CDE Series Commercial Displays

- ▶ Full HD and 4K Ultra HD resolutions
- ▶ All-in-one solution with integrated media player
- ▶ Embedded LAN, web browser, and optional Wi-Fi
- ▶ Intel OPS slot compatibility on select models

ViewSonic ProAV Solutions Use Cases

- ▶ Houses of Worship
- ▶ Retail
- ▶ Education
- ▶ Enterprise

The solution

Never having needed to integrate display functionality over LAN, Crown turned to their distributor for ideas. The top recommendation: ViewSonic.

“ViewSonic had a variety of display sizes with the LAN control capability we needed,” said Walker. “And they were good, commercial-quality displays we could count on handling the demands of the job.”

Crown chose a selection of 20 ViewSonic CDE Series Commercial Displays for use in offices and meeting rooms across the installment:

- ▶ ViewSonic CDE4803 48" Full HD commercial display
- ▶ ViewSonic CDE5510 55" 4K Ultra HD commercial display
- ▶ ViewSonic CDE6510 65" 4K Ultra HD commercial display
- ▶ ViewSonic CDE7500 75" 4K Ultra HD commercial display

The 55" and 65" displays were installed in offices and meeting rooms. Those destined for walls mounted securely with the ViewSonic WMK-047-2 commercial display wall mount. The 75" CDE7500 was installed in the pastor's office, which was furnished with a conference table and used for presentations as well as viewing services.

Along the way CDG encountered a small stumbling block. Two rooms slated for projection had trickier requirements than anticipated. Ambient light conditions mandated high lumens. But the placement was tighter than expected, and ultra-short throw became a must. The client wanted the long lifespan and quick on-off of laser projection. And the budget was tight.

ViewSonic once again presented the solution: The ViewSonic LS830 laser projector paired with the ViewSonic BCP120 BrilliantColorPanel™ projection screen.

“It's one of the closest short throw projectors that I know of at that brightness,” said Walker. “And the price point for the brightness output was outstanding.”

Designed to enhance ultra-short throw projection, the BCP120 BrilliantColorPanel™ projection screen added important benefits in rooms with hard-to-control ambient light. By diffusing ambient light and fully reflecting projected colors, the BCP screen delivered vivid images, accurate color and consistent brightness across the screen. Wide 160-degree viewing angles delivered consistent image quality for side viewers as well as those directly in front of the screen.

“That screen along with that projector was really the only way of making quality projection work in the tight space in the screening room,” said Walker. “And projection was critical because the client wanted the room to look and sound like content displayed via projection during services. It was important to be able to make the final edits and color correction in a similar environment.”

Also used in a multipurpose room with loads of ambient light, the ViewSonic LS830 laser projector plus the ViewSonic BCP120 BrilliantColorPanel projection screen enabled efficient meetings and meaningful presentations. The ViewSonic J-WMK-304 Universal Wall Mount Kit enabled easy install of the LS830 laser projector inches away from the wall.

Rounding out the project, CDG used several ViewSonic desktop-sized displays across

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– Garrett Walker, Owner/Partner,
Crown Design Group

the facility for a variety of purposes, including multiple source viewing in the control room and controlling the recording deck.

These included the:

- ▶ ViewSonic TD2220 - 22" Full HD interactive display with dual-point touchscreen
- ▶ ViewSonic TD2421 - 24" Full HD interactive display with dual-point touchscreen
- ▶ ViewSonic VG2248 - 22" Full HD monitor with SuperClear® IPS panel technology
- ▶ ViewSonic VG2748 - 27" Full HD monitor with SuperClear® IPS panel technology

The results

The offices, said Walker, turned out beautifully. The control over Ethernet worked like a charm, enabling easy centralized control over every component. The tech was such a great fit, in fact, that Bayside Community Church used nearly the exact same ViewSonic products when outfitting its new West Bradenton campus later that year.

“In addition to many of the same features we used previously, we also used the ViewSonic CDE5510 55" 4K displays backstage at the church, with multiview from several sources so the musicians can see what’s happening before they come out on stage,” said Walker. “We used the smaller displays for the tech team.”

It was another massive integration task, this time a retrofit of a building formerly occupied by a grocery store.

“We covered lighting, display, control, and everything in between,” said Walker. “We worked with the client from concept to reality, working with the architects, producing the equipment list and installing it all.”

Once again, ViewSonic products played an important role in the installation’s success.

“Feedback has been great. The client loves the way the displays look, especially the thin bezel and overall minimalist look,” said Walker. “The control over LAN feature was again very important. Having the central control, not having to mess around with remotes, is incredibly helpful for them.”

As for the ViewSonic LS830 Laser Projector, said Walker, they can hardly believe that it can work so beautifully so close to the screen.

“They also love that it turns on quickly and delivers such great images in the classroom with large windows and lots of ambient light,” he said, adding that, “It was again that terrific combination of BCP120 projection screen and LS830 laser projector that works so well.”