

Wireless Display Enhances the Teaching Experience



The school division deployed ScreenBeam wireless display in each of its classrooms, conference rooms, and libraries with a data projector, enabling teachers to control the projector and share content from anywhere in the classroom. This new mobility empowers teachers to better engage the class and accommodate the different needs of each student.

The Problem: Tethered to the Projector

In order to enrich the learning process, the Regina Catholic School Division installed data projectors in the classrooms, conference rooms, resource centers, and libraries across its 29 school locations. The projectors were typically installed in the front of the classroom but the teachers' computers were located in the back of the room. That meant the teachers needed to be located in the back of the room to interact with content on the display at the front of the room while also managing the classroom environment.

When teachers are fixed in one location, they are less effective at holding the attention of the class, and it's more difficult to provide individual attention.

Furthermore, students needed to juggle their attention between the material being displayed in the front of the room and the teacher standing behind them. As a result, the School Division wanted to find a better way to utilize the projectors—one that would enable teachers to move throughout the room and work more closely with students.

The Search for Wireless Display

Regina Catholic's Technology Services group began researching wireless display options. The team had several criteria when evaluating wireless display products: 1) the ability to work with multiple platforms including Android and Windows 8.1 devices, 2) ease of use for teachers, 3) overall reliability of hardware, and 4) cost.

The Technology Services group performed a mass rollout, installing over 400 receivers throughout 29 locations. Through initial testing, the group determined the optimal install configuration to give them the best performance and connected the ScreenBeam receiver close to each projector using a short HDMI cable.



School

Regina Catholic Schools, Canada

Population

10,875+ students from Grade K-12

Goal

To give teachers the freedom to move around the classroom while using their computer and helping students

Outcome

Installed 400+ ScreenBeam receivers in classrooms, conference rooms, resource centers, and libraries across 29 locations, making learning more focused and interactive

Teacher Device

Lenovo Thinkpad Yoga

Classroom Devices

Lenovo Yoga 10, Surface Pro

"We tested several products over the past year and selected ScreenBeam because it met our key criteria and had the best performance."

— Scott Fossenier, IT Supervisor
Regina Catholic Schools, Canada

The Result: ScreenBeam Fosters New Pedagogy

With a ScreenBeam receiver connected to each data projector, teachers are able to control the content on the projector through a variety of their mobile devices, including the Lenovo Yoga 10, Microsoft Surface Pro, and Lenovo Thinkpad Yoga.

When teachers returned to school, they picked up the new technology easily and quickly incorporated wireless display in their teaching. “Our team developed a short video tutorial on using wireless display and Actiontec developed a one-page handout on connecting to the ScreenBeam receiver. Overall, the learning curve was short and teachers love the new mobility in the classroom,” said Ejiro Jarikre, Business Analyst.

The versatility of ScreenBeam means that any kind of content can be shared, including presentations, videos, interactive learning applications, and online content. For example, English teacher Jolene Orthner uses ScreenBeam on a daily basis to wirelessly project everything from movies and YouTube videos to examples of student work, writing demonstrations, and editing demos.

“I teach sentence structure. With ScreenBeam, I can take words out or move commas around and show students how the meaning of the sentence changes. I can model how to write an essay and share reading strategies,” she said.

“I am much more efficient with my use of class time as everything is right there on my computer. And I have the flexibility to move around the classroom.”

— Jolene Orthner, English Teacher, Regina Catholic Schools, Canada

In her math classroom, Amy Sanville projects her notes from OneNote to the screen. “Now I am able to circulate throughout the classroom, while teaching. I can use my tablet and am no longer limited to standing at the front of the classroom or being at my desk. I can review student work as I teach and give immediate feedback.”

In addition, ScreenBeam enables students to interact with content from classroom devices – for example to answer problems, collaborate, and share their work without having to get up and walk to the front of the room. Some Regina Catholic teachers have introduced this kind of student participation into their classrooms.

Ever since deploying ScreenBeam, wireless display has proven to enrich the teaching experience at Regina Catholic, making classroom learning more focused and interactive.



Industry Leader

ScreenBeam wireless display is the only solution that truly enables commercial deployment of secured and IT manageable wireless display. ScreenBeam wireless display is the industry standard for benchmarking and device interoperability, making it the most broadly compatible solution available. ScreenBeam solutions are used as the validation platform for wireless display functionality by companies like Microsoft, Intel, and leading PC OEM and device companies.

Actiontec is Microsoft’s co-engineering partner for wireless display technologies in Windows. Because of Actiontec’s status as the industry leader, and our ongoing investment in supporting industry device manufacturers, you can be assured that you’re deploying the most broadly compatible, feature-rich wireless display platform.



© 2017 All rights reserved. Actiontec and the Actiontec logo are registered trademarks, and ScreenBeam is a trademark of Actiontec Electronics, Inc. All other names are properties of their respective owners. Specifications subject to change without notice. 020917

