



College of Saint Elizabeth

For over a century, the College of Saint Elizabeth in New Jersey has been known as a leader in teacher education. Dr. Brian S. Friedlander, Professor of Education, uses ScreenBeam to supplement his teaching with interactive notes, photos, videos, and other rich content. He is able to share content from his Surface Pro and Dell Venue tablets while freely moving around the classroom and interacting with students.

The Challenge

As a professor of education, Dr. Friedlander is always looking to leverage the latest technology to enliven and facilitate collaboration in his classroom. He wanted the opportunity to share content with his classes without having to be tethered to the projector.

Upon purchasing the Surface Pro 2 and Dell Venue 8 tablets, Professor Friedlander learned that Windows 8.1 devices came with a built-in wireless display technology called Miracast for streaming content to an HDMI device without cables. Now, he just needed a way to add Miracast support to his projector.

The Solution: ScreenBeam

After researching available Miracast receivers, Dr. Friedlander was impressed by the reviews for ScreenBeam from his fellow educators. ScreenBeam is a small wireless display receiver that plugs into an HDMI device, such as an HDTV or other display. ScreenBeam comes with an HDMI to VGA converter, as many classrooms still have legacy projectors without an HDMI port.

In seconds, Professor Friedlander was able to wirelessly connect his tablet to ScreenBeam and the classroom display. As he explained, “I was able to swipe in from the **Charms** menu, click on **Devices**, and select **Project**, and select **Add a Wireless Display**. Within a second or two, the Actiontec ScreenBeam device came up. I simply clicked on that and within seconds my Surface Pro 2 tablet screen was projected on the screen in my classroom.”



School

College of St. Elizabeth

Goal

Leverage the latest technology to enliven and facilitate collaboration in the classroom

Outcome

Easily supplement teaching with rich media and online content without bogging down the Wi-Fi network

Teacher Devices

Surface Pro 2, Surface Pro 3 and Dell Venue 8 tablets

He fired up OneNote on his tablet, began writing notes, and those notes were automatically displayed on the big screen. It was that simple.

“ScreenBeam’s solid performance with Windows 8.1 devices gives me the confidence that the technology will work when I need it to, so I can focus on teaching my students on a deeper level.”

— Dr. Brian S. Friedlander, Professor of Education

Professor Friedlander was so amazed by the power of ScreenBeam that he tried it with his new Surface Pro 3 tablet, and the performance was fantastic. “I am blown away that ScreenBeam works well with so many Windows 8.1 devices. Now I carry ScreenBeam in my briefcase because it’s an essential tool that brings curriculum to life in the classroom.”

ScreenBeam enables Professor Friedlander to easily supplement his teaching with rich media and online content. For example, during a STEM project, students designed 3D models of smartphone cases. Professor Friedlander used his Surface Pro 3 tablet with ScreenBeam to show videos and examples of what can be designed with 3D tools.

“Having vivid examples of design work was great and students were more engaged in the lesson as a result of the materials projected on the screen. Best of all, ScreenBeam allowed me to work more closely with my students since my Surface Pro 3 didn’t need to be physically connected to the projector,” he said.

He also appreciates the fact that unlike other wireless display receivers that work over the school’s wireless network, ScreenBeam creates a dedicated ad hoc wireless connection between the device and display. This allows for a more stable connection that isn’t affected by any congestion or traffic on the school’s network. In addition, the professor was able to get ScreenBeam set up without any assistance from IT.

“If you are looking for an inexpensive way to cast your screen from your Windows 8.1 tablet or computer, then you need to take a look at the ScreenBeam for education.”

— Dr. Brian S. Friedlander, Professor of Education



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.



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