epiphan video

Building mobile video carts at a top-tier university

Business Case

One of America's top ten universities recently turned to Epiphan for help assembling compact, highly functional mobile video carts. While most lecture halls and team rooms at this distinguished facility already have audio video equipment installed, some of the larger open spaces on campus didn't have equipment to capture and record events. To solve this problem and allow event recording and streaming from anywhere on campus, the school planned to build several easy-to-move video carts.

Working with Pearl

Events at this school are typically recorded with two to three cameras capturing different angles. Sound is acquired through a number of wireless microphones connected to an audio mixer in the cart. The school's AV team needed a recording device that would accept these inputs directly and produce output that required little to no post-production effort. They found Epiphan Pearl was a perfect fit for this task for several reasons:

› Pearl easily supports the simultaneous cameras directly through its six video inputs (2 HDMI, 2 SDI, 2 VGA) and outputs from the audio mixer can be directly captured using Pearl's two ¼" TRS audio jacks.

EPIPHAN VIDEO

Designers of some of the world's most reliable audio visual communication solutions for education, healthcare, aerospace, live event production, security and transportation.

Our field-proven video grabbers and professional streaming and recording products capture, record and stream video from just about any source. With over 10 years of experience in audio visual communications, Epiphan's family of products deliver critical communications in more than 1600 universities around the world.

› Pearl's touch screen allows live switching between different camera angles in real time, eliminating the need to

1. purchase and deploy a separate production switcher; and

2. spend valuable time on post-production.

Pearl's live switching functionality is mostly used by AV team through the touch screen, but for bigger events they also employ the help of a colleague situated in a remote office making advanced layout adjustments through the web interface.

Streaming directly from Pearl

In addition to event recording, the AV team also wanted to stream some events to the school's streaming media server and official YouTube channel. Pearl can stream up to four HD channels (including streaming to media servers, CDNs and YouTube) simultaneously, allowing even the most compact video cart to implement live streaming. Pearl is so easy to use that some of the school's students (IT ambassadors) are able to assist with event streaming and recording.

Easy installation and cart integration

Small and lightweight, Pearl was easy for the AV team to install into even the smallest video cart. Installation for a set of 5 Pearls took about 15 minutes and basic configuration for the group of devices took another 15 minutes.

| 15 minutes to unpack & connect | 15 minutes to configure | 15 minutes to integrate into LMS |

Access to recordings immediately after events

In some cases, event organizers ask the school for event recordings right after the event. Prior to the new mobile video cart solution, the school was unable to meet this request. With Pearl, this task is a snap! Pearl can be configured to automatically or manually copy recordings in AVI, MP4 of MOV format directly to a flash drive connected to Pearl via USB 2.0.

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Pearl gets results!

Epiphan Pearl significantly increased the school's video cart functionality, providing a number of important benefits to multiple stakeholders.

AV / IT Teams

› Increased functionality
› High performance system in a very compact space
› Reliable solution with extensive support
  (on Epiphan's support plan)

School Administration

› Significant savings on building mobile video cart through elimination of several expensive live production systems and external switchers
› Higher student satisfaction rates

Students

› Ability to share events freely with their friends and family
› Live streaming access to more events
› Easier and faster access to event recordings