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Learning Technologies Information Sheet

1. Handheld Data Projector

What is it?

This is compact handheld data protector, complete with built rechargeable power unit. You could use it for small scale presentations, playing games, or watching video footage. The VGA input lets you plug in a laptop while the composite video jack will take output from a digital camera, PSP, iPod, iPhone, or almost any other handheld device.

This projector shows full colour, standard definition video at a rate of 60 fps or above (television quality). Its 10 lumens of brightness allow a 15inch projection to be displayed in a brightly lit room. In a dark room an image of 50 inches could easily be viewed. The MPro110 uses LCoS display technology to display VGA (640 x 480) resolution. It also uses an LED lamp, which means no fan noise.

Potential uses for Teaching and Learning:

This is a great projection tool for impromptu presentations and demonstration by either teaching staff or students.

Ideally suited for small audiences it facilitates the mobile projection of video, presentations and still images. This product offers reasonable image quality, however ambient light can reduce its effectiveness. Combining a handheld data protector with a Ultra Mobile Device (UMD) similar to a Asus Eee PC or the Toshiba NB100-11R notebook can offer the tutor a way to effectively display content in remote areas where access to purpose built classroom are not possible.

Pros and Cons

Pros

- A simple and intuitive device to use.
- The LED lamp does not require a fan to maintain temperature, therefore reducing noise.
- Extremely mobile with an in-built rechargeable power unit.
- Able to connect to digital cameras, PSP, iPod, iPhone, or almost any other handheld device.

Cons

- This device will only work at its optimum in a controlled environment where ambient light can be kept to a minimum and where the project can be positioned no more than 6 feet away from the intended projection screen. Ideally this should be used to with a small audiences. The short VGA cable also makes it hard to position the projector from time to time.