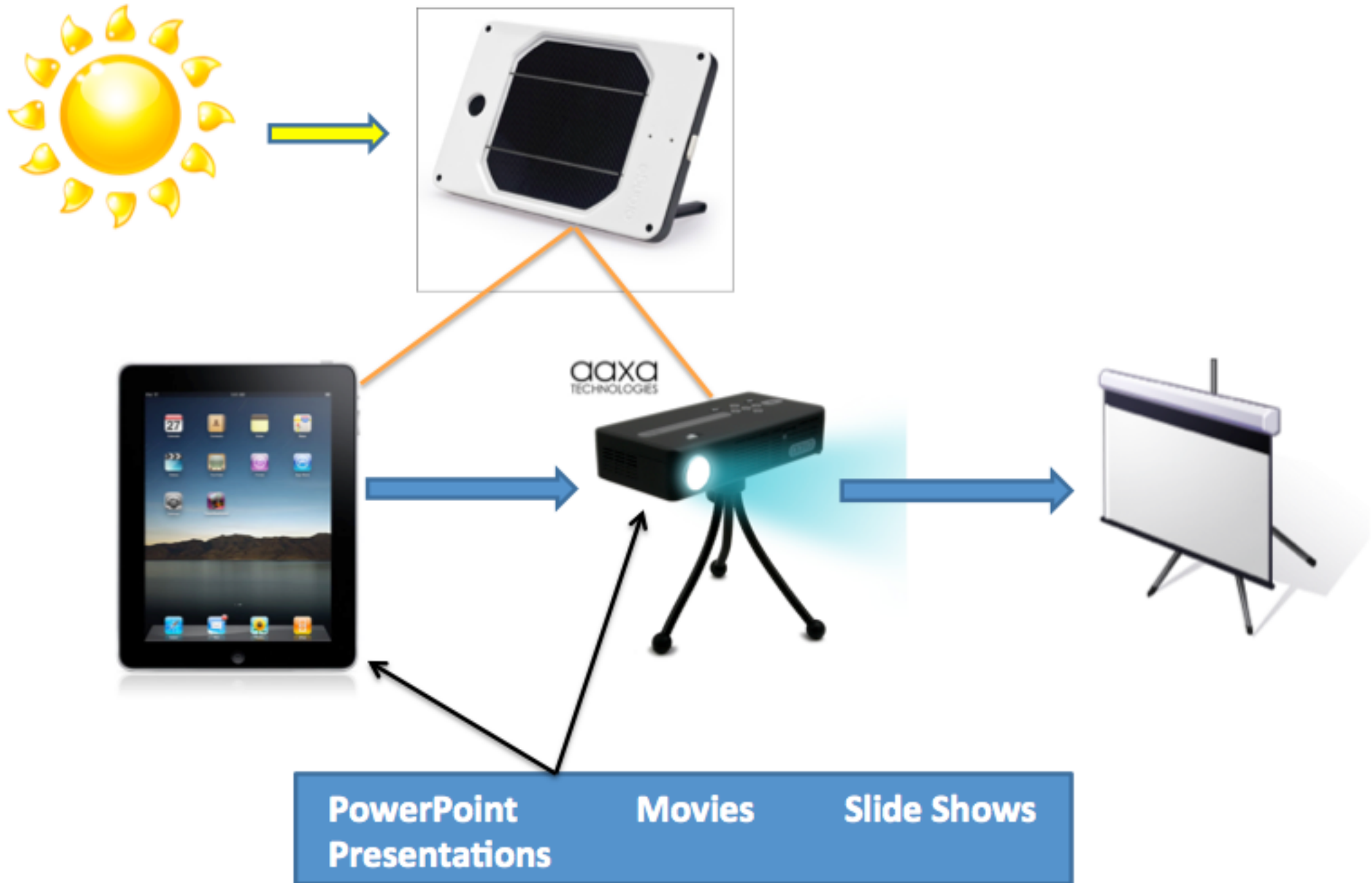


Portable Media Distribution System



PORTABLE MEDIA DISTRIBUTION SYSTEM

Revised 07/08/13

A Portable Media Distribution System (PMDS) allows missionaries and humanitarian aid workers to carry large volumes of media in a small form factor – small and light enough to carry in a suitcase or backpack, on a motorcycle, bicycle, or on foot. Up to 32 GB of media (videos, movies, PowerPoint, books, teaching materials) can be uploaded to the projector via USB cables or mini SD card and projected on a screen or wall. New materials are easily added. In regions without electricity, generators, or DC power, a rugged solar battery charges the projector battery. Materials can be printed (Expanded System) in areas with electricity. The system is simple to set up and use. Tech support is available from volunteers at <http://3031tech.forumotion.com>. Due to the low price point, financial partners can experience the satisfaction of providing a complete media center and teaching station at a cost of less than \$700.00 (Basic) or \$1,500.00 (Expanded with printer option).

OBJECTIVES:

- Portable and light weight
- Robust and suitable for use in a variety of environments
- Capable of efficiently performing a variety of tasks including projecting video or PowerPoint and printing papers
- Simple for volunteers to learn
- Able to run on alternative power supplies
- Inexpensive
- Packed and locked in a secure, lightweight travel safe

Following are two systems to meet different needs. Please see page two for specifications, recommendations, prices, and vendor information.

BASIC SYSTEM

Runs on solar power. No printing capability. Use laptop or PC to create and upload media. In the field, media is accessed via micro SD card in projector.

APPROXIMATE WEIGHT/ SIZE: 2 lbs., .37 cubic feet, 64.4 cubic inches

EXPANDED SYSTEM (INCLUDES PRINTING, iPad)

Includes printing capability and can be used with iPad. Electricity must be available for the printer and WiFi/cellular must be available for the iPad. See “Alternate projector” for a non-solar option with a brighter image.

APPROXIMATE WEIGHT/ SIZE: 3.25 lbs., .048 Ft. (82 cubic inches)

OPTIONAL ACCESSORIES

Battery: Spare battery for Optoma Projector. Optoma B-PK3ALIS (\$35.00 at Walmart.com)

Screen: 50” table-top screen. Epson ES1000 (\$80.00 at Amazon.com)

Additional Mini SD cards: See specs in chart.

BASIC SYSTEM

Runs on solar or A/C power. No printing capability. Uses laptop or PC to create and upload media. In the field, media is accessed via mini SD card in projector.

EQUIPMENT	PURPOSE	SPECIFICATIONS	RECOMMENDATION	COST
Projector	Project video, stills, and PPT in darkened area for diagonal image of 50" (ideal) to 70" max.	20 ANSI Lumens on 60 minute battery, 50 ANSI Lumens on A/C. Charges via JOOS solar battery, USB, or A/C.	Optoma PK301+ ³	372.00
Spare Projector Battery	Quick change of battery in projector	Used only for Optoma PK 201 and PK301	Optoma BB-PK3ALIS ³	28.00
Remote Control	Operate projector remotely.	Battery operated.	Optoma BR-PK3AN ³	18.00
Speakers	Provide audio for small group.	0.5 watt output on projector. Additional speakers recommended.	Music Bullet speaker ⁴ (charged by USB or solar)	15.00
Solar battery	Charge equipment in areas without electricity		Solar Joos Orange ⁴	155.00
Lock to secure solar battery	Bike-lock fits through opening in solar battery to secure it to tree.	Opening on solar battery is .75" diameter. Cable lock is 6' x 5/16".	Master lock 8114D combination cable lock ⁴	10.00
Tripod	Small tripod is recommended.	Requires ¼" threaded stud.	JOBY Gorillapod ⁴	18.00
Micro SD Cards	Additional data storage.	Data is saved to SD card via computer.	Polaroid 32 GB CL10 Micro SD ⁴	20.00
Secure Gear Bag	Lightweight, portable bag to transport, lock, and secure gear.	Cut-proof, water resistant. Includes steel cable lock. Folds flat. 12"x14.4"x6.6"	PacSafe TravelSafe 20L Portable Safe ⁴	80.00
			TOTAL COST	\$716.00

VENDORS: ³ bhphotovideo.com ⁴ Amazon.com

EXPANDED SYSTEM (INCLUDES PRINTING, iPad)

Includes printing capability and can be used with iPad. Electricity must be available for the printer and WiFi/cellular must be available for the iPad.

EQUIPMENT	PURPOSE	SPECIFICATIONS	RECOMMENDATION	COST
Tablet	Portable presenter	64 GB WiFi/Cellular. SIM card.	iPad Gen 3 (32GB) @ \$668 (iPad 2 or refurbished for ~\$557) ²	\$ 668.00
Projector	Project video, stills, and PPT in darkened area for diagonal image of 50" (ideal) to 70" max.	20 ANSI Lumens on 60 minute battery, 50 ANSI Lumens on A/C. Charges via JOOS solar battery, USB, or A/C.	Optoma PK301+ ³	372.00
Spare Projector Battery	Quick change of battery in projector	Used only for Optoma PK 201 and PK301	Optoma BB-PK3ALIS ³	28.00
Remote Control	Operate projector remotely.	Battery operated.	Optoma BR-PK3AN ³	18.00
Speakers	Provide audio for small group.	0.5 watt output on projector. Additional speakers recommended.	Music Bullet speaker (charged by USB or solar)	15.00
Solar battery	Charge equipment in areas without electricity	Durable, waterproof, fast-charging, cables and adaptors included. Also charges via USB connection.	Solar Joos Orange ⁴	155.00
Lock to secure solar battery	Bike-lock fits through opening in solar battery to secure it to tree.	Opening on solar battery is .75" diameter. Cable lock is 6' x 5/16".	Master lock 8114D combination cable lock ⁴	10.00
Tripod	Small tripod is recommended.	Requires ¼" threaded stud.	JOBY Gorillapod ⁵	18.00
Micro SD Cards	Additional data storage.	Data is saved to SD card via computer.	Polaroid 32 GB CL10 Micro SD	20.00
Secure Gear Bag	Lightweight, portable bag to transport, lock, and secure gear.	Cut-proof, water resistant. Includes steel cable lock. Folds flat. 12"x14.4"x6.6"	PacSafe TravelSafe 20L Portable Safe ⁴	80.00
Printer	AIO Color Printer ¹	WiFi (AirPrint) for iPad. The printer cannot be charged via solar battery.	Canon Pixma MG6220 ²	114.00
			TOTAL COST	\$1,498.00

¹ Printer for iPad is currently available for use only in areas with WiFi.

VENDORS: ² Google.com ³ bhphotovideo.com ⁴ Amazon.com