Project 02: Mission Field Video Production Package

MISSION FIELD PRODUCTION PACKAGE

This Mission Field Production Package (MFPP) equips individuals or teams to create videos for a variety of purposes such as native-language sermons, Sunday School lessons, ministry training, and more. A package of this type was first installed at Immanuel Hmong Lutheran Church in St. Paul, MN in 2006 to equip Rev. Pheng Moua with a means to inexpensively reach Hmong-speaking people in the U.S. and around the world, including areas missionaries cannot safely visit. Another package was recently donated to the ELS-affiliated church in Chile. The package includes everything needed to shoot, edit, and distribute high-quality video suitable for streaming, broadcast, or DVD. The camera battery provides approximately two hours of power for areas with no electricity. (Editing will require electricity.) Training materials and tech support will be available from volunteers in Silicon Valley. Many ministry financial partners will be delighted to equip a mission with this complete production and post-production set-up for potentially massive impact at a cost of less than $2,500.

OBJECTIVES:
- o   Robust and suitable for use in a variety of environments
- o   Capable of capturing high-quality video and audio suitable for streaming or DVD
- o   Capable of operating in low light and a variety of lighting situations without requiring additional instruments
- o   Inexpensive. Simple for volunteers to learn and operate (from training materials)

EQUIPMENT	MINIMUM REQUIREMENTS	OUR RECOMMENDATION	COST
Video camera	Shoot standard definition (SD) or High definition (HD) video. Capable of low-light operation to 3 Lux. Optical zoom of 10X or greater. External microphone connection. Low cost digital recording medium /SDHC cards. Manual or automatic operation. LANC and headphone jacks.	Sony HDR-CX580V [1]	589.00
SDHC Class 10 card	Stores 32 GB digital SD or HD video. Class 10 (45MB per second) required for HD.	SanDisk 32 GB Extreme Class 10 [2]	36.00
UV protection filter	Filter to protect camera lens and eliminate haze.	Tiffen 30UVP [3]	4.03
Tripod	Quick release plate. Wide height-adjustment range. Mid-brace support. Aluminum construction. Leveling bowl. Single handle with second handle option. Stable for camera and accessories up to 15.4 lbs. (7 kg)	Pearstone VT2500B [3]	150.00
Remote zoom control	Handle-bar mounted smooth variable zoom control with record on/off control.	Libec ZC-3DV [3]	83.00
Wireless microphone	Wireless lavaliere microphone with gator clip. VHF or UHF band. Combination lavaliere transmitter and receiver. Camera-mountable receiver. Small, lightweight form factor. Powered by rechargeable batteries.	Azden WMS Pro 2 [3]	159.00
Batteries and Charger	Battery charger and 4 9V NiMh rechargeable batteries (for audio set-up).	Tenergy TN141 [2]	33.00
Audio adaptor	Enables left/right channel recording from mono wireless microphone.	UHS-1 3.5mm stereo plug to 3.5mm mono jack adaptor [2]	3.00
Desktop computer	Intel I7 Quad core processor for HD editing. 8 GB RAM. 7200 RPM OS drive. Dedicated video card. USB 3.0 and 2.0 ports. DVD/RW drive. Windows 7 OS.	HP Pavillion HPE h8-1360t [4]	900.00
External drive	Desktop Video/Audio media drive. USB 3.0 interface. 7200 RPM drive speed.	Hitachi 0503236 [3]	100.00
Computer monitor	23" diagonal display. <5ms response time. <.28 dot pitch. High contrast ratio. HDMI/VGA connectivity. Tilt adjustability.	ASUS VS238H-P [3]	174.00
Editing Software	Supports wide variety of digital file formats. Integrated video and audio editing, titling, DVD authoring, and automatic music generation.	Studio 16 Ultimate [5]	107.00
A/C Adaptor	Outlet adaptor good in 150 countries.	All-In-One Travel Adaptor [2]	2.35

VENDORS: [1] Ryther Camera [2] Amazon.com [3] B&H [4] HP Online [5] Provantage.com

Total cost: $ 2,340.38
(PayPal collection fees bring total close to $2500)