



UNIVERSITY of WASHINGTON

Student Technology Fee Committee

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DXARTS High Definition Video Production Package

Proposal ID 2008-043-1

Permanent Link <http://techfee.washington.edu/proposals/view/2008-043-1/>

Department DXArts

Non-core No restrictions

First No

AccessApplication? Student No
Initiated?

Abstract

The DXARTS High Definition Video Production Package Proposal is comprised of 3 modules and an addendum. The first module consists of a revolutionary camera system known as the Red, allowing students to work in new frontiers of ultra high definition video production. The second calls for the addition of professional standard lighting gear for advancing the quality of student video projects at the initial production level. The final modules will upgrade a select number of our editing suites with HD monitoring capabilities. For the addendum, we are asking for an underwater housing for our use with our HD cameras, because of past success with our SD underwater housing.

Background

The Center for Digital Arts and Experimental Media (DXARTS) is a University of Washington research center and degree program, built for the creation and study of new and experimental genres of digital art and culture. DXARTS offers BFA and PhD degrees with a range of concentrations including but not limited to aural and visual synthesis, telematics, algorithmic processes, interactive performance and mechatronics. DXARTS is highly supportive of student creative practice and research, especially for those working in emergent forms of invention. Students working within the program, utilize a wide array of technologies and skill sets from the Arts and Humanities to Science and Engineering in order to pioneer these innovations, and often must work on the forefront of multiple disciplines.

DXARTS has had remarkable success in the arena of digital video, fostered in part by a growing community of film units and resources on and around campus, as well as through continuous support by the STF. DXARTS will continue to contribute to the community and is looking seriously towards the prospect of a centralized University of Washington generative film program facilitated through our department. DXARTS already provides a wide array of video equipment to the student body through its affiliation with the CARTAH research center as well as through DXARTS video curriculum and interdisciplinary exploits. Through its resources DXARTS hopes to encourage this form of artistic practice and to provide an atmosphere where the student has access to the kind of vanguard equipment, resources and expertise that will enable them to be a pioneer in the field.

Benefits

The items on this proposal were chosen, by a group of DXARTS students and staff, with the intent of providing the most immediately beneficial technology related to current and near-future student work. These items are proposed to fully integrate with our current inventory and provide extended and new abilities to facilitate the pre-existing inventory.

MODULE 1: RED CAMERA includes: Red Camera, Lenses and adapters, mounting/grip adapters, storage devices & various accessories

The Red Camera represents a major revolution in modern cinema. Never before has a camera like this existed with such exquisite image technology, nor its range of capability and adaptability, especially within the relatively modest price range. The capture circuitry in this unit allows the depth of field comparable to 35mm film cameras. This is a substantial breakthrough, meaning that aside from the material aesthetics of film, the capabilities of the digital age have met and exceeded those of the analog film capture technology. This will be an exciting opportunity for students. Never before has it been even near affordable to shoot in such high quality. The price of the 35mm film processing workflow alone can total thousands of dollars for mere minutes of footage. Student filmmakers and cinematographers will have the chance to create work seamless in quality with reference to professional standards. At DXARTS we are investing in this as the new standard in digital video.

The modular design conforms to our modus operandi: that of multi-faceted experimentation and future-proof technology. The camera is piece-wise upgradable, meaning that as new technology arises, only the upgraded components need replacement, rather than is the norm to replace the entire unit. The camera body can be adapted to numerous other lens kits, some already in the DXARTS inventory, and the hard-case design and proposed grip assembly equipment would allow for infinitely many mounting configurations. This means that the context for use of this camera can be further expanded beyond simple cinematography, but can be used in robotic, performative, telematic or various other forms of installation or research. This camera is ideal for the student research climate present at DXARTS, and would allow students extreme and otherwise unavailable experimentation options for any form of work that would require ultra high, or even high definition image capture.

If you are further interested, and would like to see just what capabilities this camera will offer the students, the Red camera website contains sample footage: http://www.red.com/shot_on_red.

MODULE 2: PRO HD LIGHTING includes: Kino, Arri & LED light kits and various grip equipment

The lighting kits in the DXARTS inventory that match the quality of our arsenal of High Definition cameras is far less than adequate. At present, in order for students to have professional lighting as part of their films, they must rent lights for hundreds to thousands of dollars per day, from local Seattle film companies. This is not a realistic opportunity for most students working freely on non-funded independent works. Film is an art painted with light, and in order to end up with a professional quality image, it is necessary to have a strong lighting library to work with. The HD lighting kits we have proposed do just that. They represent a wide range of lighting configurations available on modern day sets; configurations we would like to provide as an option for our students. Not only will this enable students to have access to professional lighting, but it will assist in training them in cinematography, as they will have a similar range of lighting and be able to experiment with techniques similar to those on professional sets. These kits will also allow students to push the boundaries of the cameras, learn practical and experimental technique, but most importantly, allow a range of flexibility in experimentation in this field previously not available from any other unit on campus.

MODULE 3: HD STUDIO MONITORING includes: Matrox MXO Video Output Adapter, Panasonic LCD Monitor and cabling

Studio monitoring is an essential component of any High Definition workflow. In order for our current STF-supported DXARTS video lab and CARTAH Open Lab studios to be used for this purpose we require the proposed adapter and monitor equipment. This small upgrade to select studio stations will allow these systems to be incorporated into the HD workflow, providing students access to the high fidelity monitoring to ensure professional quality output.

ADDENDUM: UNDERWATER HOUSING FOR HVX200

In this addendum, DXARTS is proposing an underwater housing for our HD camera line. The underwater housing we have for our standard DV cams has been an enormous success and allowed students to incorporate underwater scenes and performances into their portfolio. The underwater housing also doubles as an extra layer of protection in environments where the natural conditions may be harmful to the camera, such as heavy rainfall, mountain snow, or any environment with an excess of particulate matter. The housing provides students with the utmost flexibility in shooting locations and allows for free open experimentation in that respect.

Student Access

DXARTS offers a host of related curriculum, in the form of a year long digital video sequence, one quarter experimental intensives, summer quarter production courses, Discovery seminars in Digital Video, as well as advanced graduate level coursework in Motion Graphics, Special Effects, Video Installation and Real Time Digital Video Processing. There are a number of dedicated slots in all DXARTS courses for non-majors, as it is our goal to maintain an interdisciplinary perspective with the work we are involved in. These courses provide sufficient training and access to equipment and expertise, in order for them to venture forward with the equipment, pioneering new forms.

For those students not enrolled in DXARTS courses, access to STF equipment may be obtained through the Center for Advanced Research in the Arts and Humanities (CARTAH). All inventory that is not currently reserved for coursework, or for doctoral research is added to the larger CARTAH equipment pool. Access to CARTAH is obtained via submission of a project proposal. Typically these are research centered Arts and Humanities ventures, however, we are always looking for interesting ventures outside of our current vista to support. Practically all proposals submitted are accepted. In the case the proposal is not accepted the approval committee issues a statement or questionnaire to the student, addressing the issues and allows for an updated resubmission. Once approved the student has access to the Open Lab, the standard CARTAH inventory and is allowed to make reservations for studio access and training sessions for advanced equipment use. CARTAH provides a full-time technical staff, trained and willing to work with students to learn the tools necessary to complete their projects. Students are also encouraged to submit suggestions and requests for improvements in infrastructure or for various supplemental needs.

DXARTS and its students are also a participant of outreach programs focused on bring interdisciplinary collaboration and projects that involve a wide demographic of the student body. Often, students in the DXARTS community perform or present their research to the larger student body, or in formats external to the university community. DXARTS students can also work on projects that require a cohort of students, as is often the case in video productions supported by DXARTS. By doing so, DXARTS outreach and benefits expand campus-wide, and community-wide, allowing for greater forums of appreciation, understanding and scholarship in the Arts, Humanities and beyond.

Available Resources

The current offering of the DXARTS and CARTAH shared inventory includes state-of-the-art HD and SD digital video cameras, lenses, matte boxes, tripods, Russian dollies, gibs, cranes, steady-cams, field monitors, green screen equipment, field audio equipment, mixers, microphones, and multiple high-end HD/SD editing suites for post, FX, scrubbing, finishing and compositing CG. In short, DXARTS has the equipment and the expertise necessary for providing a viable framework in which students may work successful with the proposed equipment. We also provide application-based access to our Fremont laboratory and workshop where students may manufacture supplemental tools and riggings for the equipment and work within a system of ingenuity and experimentation that we fully encourage.

We currently have 3 full-time main campus technical staff, as well as 2 part-time Fremont lab shop managers. We also support workstudy employees and have 2 part-time undergraduate employees that are fully trained to help to facilitate student projects via technical support and equipment maintenance. We also maintain our own inventory/checkout system as well as provide 24-hour email support.

Installation Timeline

This equipment will be purchased as soon as funds become available.

Departmental Endorsement

This proposal is enthusiastically supported by Shawn Brixey, the Director of both DXARTS and CARTAH, and was produced in direct consultation with all the students, faculty and staff of these programs. He fully endorses this proposal and is committed to help support the implementation and expansion of this HD package with DXARTS resources here described in the event the proposal is funded by the STF committee.

Student Endorsement

As a 5th year undergraduate student at DXARTS, researching digital cinema and time-based visual work I feel extremely compelled to support this proposal. The boundary between industry standard high-budget film production and the more modestly funded independent filmmaker is thinning as technologies such as these become available. I believe DXARTS is a foundation that promotes the rigor and ambition necessary to put this equipment in the right hands of artists and filmmakers. I have seen what the partnership between DXARTS and STF has fruited in the past and am enormously grateful to have access to such frontline resources. Such equipment has allowed for the realization of groundbreaking and bold works of art and I can already imagine what inspirations will come with this new package. I am entirely in support of this proposal.

Sincerely, Collin Monda Undergraduate Student, Center for Digital Arts and Experimental Media DXARTS

I helped do the research that selected the technology proposed here, and can speak to the good sense of these particular equipment proposals in this full embrace of the HD revolution. The RED camera is simply put the new standard for digital cinema. Aside from its high resolution, robust construction, and flexibility, it has an upgradable image-sensor. Thus the camera itself will not become obsolete with the same rapidity of other HD cameras. It is a wonderful idea to make this tool available to students. As a DXARTS PHD candidate with an emphasis in cinema, this camera and the attendant lights would be massively useful. But the application of the proposed technology extends beyond cinema: a camera and lighting of this quality could be used to support a wide range of artistic projects; from theater and dance to research in optics, image-processing, and experimental image gathering techniques. I fully support this proposal.

-Noel Paul
PHD Candidate, DXARTS

As a DXARTS PhD student working with optical technology and immersion, I strongly support this proposal. The Red camera system proposed in this STF would allow me to extend my ability to create new kinds of immersive artwork by allowing me to have complete control over every aspect of image recording process. For instance, the modular nature of the system would allow us to record scene from shifting or multiple

perspectives, to do high-dynamic range recording to match the wide range of values perceived by the human eye, and conversely to provide a means to see the world as other organisms do. It is highly likely that other students, including non-DXARTS majors who take our courses or are working with new media art, would also benefit from such experimentation and by the research done by other DXARTS students and faculty working in these areas by using techniques we develop in their own work. The other proposed items heavily leverage our existing equipment to greatly bolster our ability to work with HD video, which is undoubtedly of interest to many students inside and outside DXARTS. I am proud to be part of a department and University that has a process to channel research into pedagogy, allowing students to benefit while gaining rare experience - adapting to the latest technology and using it creatively in the own field. Thank you for considering this proposal.

-joel kollin, 3rd Year DXARTS doctoral student.

As a second year PhD student at DXARTS, I would like to express my support for the DXARTS Red Camera/HD video proposal. I have a strong interest in experimental kinesthetic video and dance cinema. The proposed equipment would enable experimentation with current/future digital video technology, and would facilitate the creation of new works. In terms of my own art and research, this equipment would open a collaborative opportunity with colleagues in the UW Dance Department and in Canada, as well as possibly several other universities within the US and Europe. Thank you for your consideration.

Sincerely,
Heather Raikes,
PhD Student, Center for Digital Arts and Experimental Media DXARTS

As a senior in DXARTS with a 5th-year left to go before completing my BFA, I cannot emphasize enough how important the requested equipment can be for my and others' thesis projects next year and in the years following. Of course, this would be selfish were it not that DXARTS and its faculty go out of their way to accommodate non-majors in the department's unique and highly-challenging courses, in addition to making its equipment available for checkout to any University of Washington student regardless of major through a simple checkout procedure via the Center for Advanced Research in the Arts and Humanities (CARTAH). As a student who has tried three different majors in three different departments before finding a great fit in DXARTS, I can assure you that no other department I know of has the capacity to effectively put said equipment to use as well as make it readily available campus-wide. For myself, I can tell you that access to a RED One camera and its accessories for video/filmmaking would instantly elevate my projects to professional-level in terms of production-quality. Such equipment would significantly raise the bar for the UW, placing DXARTS and CARTAH at the fore of cutting-edge cinema technology nationwide. Of course, all of the ancillary equipment, including the high-end Kino-Flo lighting packages and necessary grip equipment would only reinforce the high-level of quality production equipment available to students at the University of Washington. The proposed package of equipment is truly indispensable if the UW is to continue to define the cutting edge in terms of education and research as we near the end of the first decade of the 21st century. I firmly endorse this proposal.

Thank you for your consideration.

Sincerely, Erik LeDrew

Senior, Center for Digital Arts and Experimental Media (DXARTS)

Items

Below are the items making up the current proposal. The asterisk (*) beside items signify that they were approved by the committee. This however was not implemented correctly for our database before 2005, so earlier years may not show this.

Click an item's title to view details on that item, or [show all item details](#).

Title	Type	Price	Qty	Subtotal
* Red Camera (Body)	video-camera	\$19,075.00	1	\$19,075.00

Location: Raitt Hall - 1312

Description: High-end HD Camcorder, with modular design and RAW image capabilities.

Justification: Will be used to support student productions to give them the highest level of image quality and technical range of ability in a camera package. The modular design allows the unit to be continually upgraded in pieces, unlike other modern camcorders which soon become obsolete in whole. This is a student requested item.

* Red Base Production Pack	audio/video-hardware	\$1,363.00	1	\$1,363.00
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Location: Raitt Hall - 132

Description: Base level grip/mount supplemental pack for Red camera.

Justification: These are the basic necessary grip equipment for mobility in filming with the Red camera. This is a student requested item.

* Red 18-50mm T3 Zoom	audio/video-hardware	\$7,085.00	1	\$7,085.00
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Location: Raitt Hall - 132

Description: Standard Zoom Lens for Red Camera.

Justification: Will provide zoom lense capabilities for the Red camera. This is a student requested item.

* Red 50-150mm T3 Zoom	audio/video-hardware	\$9,265.00	1	\$9,265.00
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Location: Raitt Hall - 132

Description: Extended zoom lens for the Red Camera.

Justification: Will provide extended zoom capabilities to the Red Camera. This is a student requested item.

* Red Electronic View Finder	audio/video-hardware	\$3,215.00	1	\$3,215.00
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Location: Raitt Hall - 132

Description: An EVF eyepiece for the Red Camera.

Justification: With allow for correct on-board image alignment with the Red Camera. This is a student requested item.

* Red LCD	audio/video-hardware	\$1,853.00	1	\$1,853.00
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Location: Raitt Hall - 132

Description: LCD monitor for the Red Camera.

Justification: Can be mounted on the Red for on-board monitoring or wired off, allowing for flexible filming in regards to location and in isolating the image source from direct off-camera influence. This is a student requested item.

* Red Power Pack	audio/video-hardware	\$1,581.00	2	\$3,162.00
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Location: Raitt Hall - 132

Description: Each unit contains 2 batteries and one charger for the Red Camera.

Justification: Will allow longer term portable use for the Red Camera. This is a student requested item.

* Red Brick 140Wh	audio/video-hardware	\$491.00	4	\$1,964.00
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Location: Raitt Hall - 132

Description: Large Format Batteries for the Red Camera

Justification: Provides more extended portable power for the Red Camera. This is a student requested item.

* B4 to PL Adaptor	audio/video-hardware	\$3,815.00	1	\$3,815.00
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Location: Raitt Hall - 132

Description: Lens adapter for the Red Camera.

Justification: Will allow for a more extended array of lens sizes for use with the Red camera. This is a student requested item.

* Nikon Mount	audio/video-hardware	\$545.00	1	\$545.00
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Location: Raitt Hall - 132

Description: Lens mount adapter for Nikon lenses on the Red Camera.

Justification: Will allow use of our Nikon Camera Lenses on the Red Camera. This is a student requested item.

* Red Quickplate	audio/video-hardware	\$545.00	1	\$545.00
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Location: Raitt Hall - 132

Description: quickplate mount for the Red Camera.

Justification: Allows Red camera to be used in concert with any quickplate compliant grip equipment. This is a student requested item.

* Red Cheese Plate	audio/video-hardware	\$327.00	1	\$327.00
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Location: Raitt Hall - 132

Description: Cheese Plate mount for red camera.

Justification: Allows for sturdy configurable mounting of the Red camera to various grip equipment. This is a student requested item.

* Red Handle Mount	audio/video-hardware	\$164.00	1	\$164.00
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Location: Raitt Hall - 132

Description: Dual Handlebar mount for the Red Camera

Justification: Allows for dual hand-held cinematographic maneuvers. This is a student requested item.

* Red Handle (Left)	audio/video-hardware	\$273.00	1	\$273.00
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Location: Raitt Hall - 132

Description: A soft grip handle for the Red Camera

Justification: Allows for single hand held cinematographic maneuvers with the Red Camera. This is a student requested item.

* Side Handle	audio/video-hardware	\$218.00	2	\$436.00
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Location: Raitt Hall - 132

Description: Side mounts for the Red Camera.

Justification: Allows for extended mounting configurations and grip equipment compatibility for the Red Camera. This is a student requested item.

* Body Cap	audio/video-hardware	\$14.00	1	\$14.00
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Location: Raitt Hall - 132

Description: Protective cap for Red Camera Body.

Justification: Provides protection of the CCD during storage and transport of the Red Camera. This is a student requested item.

* Bolt Set	audio/video-hardware	\$10.00	6	\$60.00
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Location: Raitt Hall - 132

Description: Bolt set for Red Camera and mounts.

Justification: Allows for fitted mounting of the various grip mounts and extensions onto the body of the Red Camera. This is a student requested item.

* Focus Hook Set	audio/video-hardware	\$50.00	2	\$100.00
Location: Raitt Hall - 132				
Description: Attachment to Red Camera for setting and locking focus of mountable lenses.				
Justification: Will allow for stable focus setting and locking of the Red Camera. This is a student requested item.				
* Red Drive (RAID)	audio/video-hardware	\$981.00	2	\$1,962.00
Location: Raitt Hall - 132				
Description: External Hard Drive with RAID for the Red Camera.				
Justification: Provides a portable data capture solution for the Red Camera. This is a student requested item.				
* Red Flash Drive	audio/video-hardware	\$4,905.00	2	\$9,810.00
Location: Raitt Hall - 132				
Description: Flash drive for portable external data capture of the Red Camera.				
Justification: Allows for solid state (more stable) capture of video feed from the Red Camera. This is a student requested item.				
* Kino Flo Foto-Flo 400 Fluorescent 1 Light	misc-equipment	\$1,145.00	1	\$1,145.00
Location: Raitt Hall - 132				
Description: Fluorescent Lighting Kit for video production. Consists of 1 light fixture, Ballast, cable, mount, barndoors, louver, kit and tube cases.				
Justification: Will extend students access to high quality production lighting solutions. This is a student requested item.				
* Kino Flo 75 Watt/3200k Fluorescent Lamp	misc-equipment	\$24.00	4	\$96.00
Location: Raitt Hall - 132				
Description: Lamp for the Kino flo 400				
Justification: These are bulbs for the kino flo 400 which are required for it's operation. This is a student requested item.				
* Kino Flo 75 Watt/5500k Fluorescent Lamp	misc-equipment	\$24.00	4	\$96.00

Location: Raitt Hall - 132

Description: Higher temperature Lamps for the Kino Flo 400.

Justification: Extends capability of the kind of lighting provided by the Kino Flo 400. This is a student requested item.

* Kino Flo 4Bank System 2' Fluorescent 1 L	misc-equipment	\$969.00	1	\$969.00
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Location: Raitt Hall - 132

Description: Fluorescent Lighting Kit for video production. Consists of fixture, 4Bank Ballast, cable, mounting plate

Justification: Will extend students access to high quality production lighting solutions. This is a student requested item.

* Kino Flo 40 Watt/3200k Fluorescent Lamp	misc-equipment	\$26.00	4	\$104.00
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Location: Raitt Hall - 132

Description: Lamp for the Kino flo 4Bank.

Justification: These are bulbs for the kino flo 4Bank which are required for it's operation. This is a student requested item.

* Kino Flo 40 Watt/5500k Fluorescent Lamp	misc-equipment	\$26.00	4	\$104.00
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Location: Raitt Hall - 132

Description: Higher temperature Lamps for the Kino Flo 4Bank.

Justification: Extends capability of the kind of lighting provided by the Kino Flo 4Bank. This is a student requested item.

* Kino Flo KAS-24S Telescoping Shipping Ca	misc-equipment	\$115.00	1	\$115.00
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Location: Raitt Hall - 132

Description: Case for extra set of lamps for Kino Flo 4Bank.

Justification: Allows for travel and storage protection of extra bulb set for Kino Flo 4Bank. This is a student requested item.

* Litepanels Single DV Flook Kit LED	audio/video-hardware	\$1,033.00	1	\$1,033.00
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Location: Raitt Hall - 132

Description: On Camera Light with Panasonic DV Adapter, Dimmer, Daylight Balanced, 24 Watt Illumination, 7 Watt Draw, Gels, Mounts and Case.

Justification: Will provide on-camera LED lighting for various Cartah cameras. This is a student requested item.

* Arri Compact HMI 1200W Fresnel Light Kit	misc-equipment	\$6,377.00	1	\$6,377.00
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Location: Raitt Hall - 132

Description: High quality Fresnel lighting kit for video production, consisting of: Compact 1200W Head, 575/1200W Electronic ballast, filter frame and barndoor.

Justification: Will extend students access to high quality production lighting solutions. This is a student requested item.

* General Brand MSR-1200/HR HMI SE Lamp	misc-equipment	\$316.00	3	\$948.00
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Location: Raitt Hall - 132

Description: initial stock and replacement lamps for the arri 1.2K HMI Light.

Justification: Provides initial and continuous functionality of the Arri 1.2K HMI Light. This is a student requested item.

* Arri 512905 Lamphead Case	misc-equipment	\$564.00	1	\$564.00
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Location: Raitt Hall - 132

Description: Case for the Arri 1.2K HMI Light Kit.

Justification: Provides protection for transport and storage of the Arri 1.2k HMI Light Kit. This is a student requested item.

* Arri Compact HMI 4000W Fresnel Light Kit	misc-equipment	\$12,212.00	1	\$12,212.00
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Location: Raitt Hall - 132

Description: High quality Fresnel lighting kit for video production, consisting of: Compact 4000W Head, 2500/4000W Electronic ballast, filter frame and barndoor.

Justification: Will extend students access to high quality production lighting solutions. This is a student requested item.

* General Brand MSR-4000/HR HMI SE Lamp	misc-equipment	\$654.00	3	\$1,962.00
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Location: Raitt Hall - 132

Description: initial stock and replacement lamps for the arri 4K HMI Light.

Justification: Provides initial and continuous functionality of the Arri 4K HMI Light. This is a student requested item.

* Arri 540905 Lamphead Case	misc-equipment	\$801.00	1	\$801.00
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Location: Raitt Hall - 132

Description: Case for the Arri 4K HMI Light Kit.

Justification: Provides protection for transport and storage of the Arri 4k HMI Light Kit. This is a student requested item.

* Arri Softbank D4 Tungsten 4 Light Kit	misc-equipment	\$2,403.00	1	\$2,403.00
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Location: Raitt Hall - 132

Description: High quality 4 Piece Fresnel lighting kit for video production, consisting of: 2 Fresnel 150, 1 Fresnel 300, 1 Fresnel 650 Lights, Barndoors, Scrim, Filter Frames, Clamp, 16x22" Softbox, Light Stands, Bulbs, Compact 4 Case

Justification: Will extend students access to high quality production lighting solutions and meets this need with a range of lighting in a single kit. This is a student requested item.

* General Brand ESP Lamp 150	misc-equipment	\$12.00	6	\$72.00
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Location: Raitt Hall - 132

Description: initial stock and replacement lamps for the arri D4 140 Lights.

Justification: Provides initial and continuous functionality of the Arri d4 140 Lights. This is a student requested item.

* General Brand ESP Lamp 300	misc-equipment	\$28.00	4	\$112.00
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Location: Raitt Hall - 132

Description: initial stock and replacement lamps for the arri D4 300 Light.

Justification: Provides initial and continuous functionality of the Arri d4 300 Light. This is a student requested item.

* General Brand ESP Lamp 650	misc-equipment	\$33.00	4	\$132.00
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Location: Raitt Hall - 132

Description: initial stock and replacement lamps for the arri D4 650 Light.

Justification: Provides initial and continuous functionality of the Arri d4 650 Light. This is a student requested item.

* Matthews Combo Stand 11'	misc-equipment	\$204.00	4	\$816.00
Location: Raitt Hall - 132				
Description: Combo stands for grip support of proposed lighting.				
Justification: Allows students to make complex physical arrangements of various lighting and grip equipment for video production. This is a student requested item.				
* Matthews Scrim and Flag Kit	misc-equipment	\$1,712.00	1	\$1,712.00
Location: Raitt Hall - 132				
Description: Lighting scrim and flag kit.				
Justification: Allows for cutting and shaping of light during video production. This is a student requested item.				
* Matthews Hollywood Century C Stand	misc-equipment	\$153.00	4	\$612.00
Location: Raitt Hall - 132				
Description: C stands for grip support of proposed lighting and grip equipment.				
Justification: Allows students to make complex physical arrangements of various lighting and grip equipment for video production. This is a student requested item.				
* Impact Saddle Sandbag	misc-equipment	\$24.00	10	\$240.00
Location: Raitt Hall - 132				
Description: Sandbags for anchoring grip stands.				
Justification: Provides stable and safe support of grip equipment. This is a student requested item.				
* 1000 watt Rotary Dial Light Dimmer	misc-equipment	\$125.00	4	\$500.00
Location: Raitt Hall - 132				
Description: High watt Light dimming switch.				
Justification: Allows for dynamic lighting levels for various proposed lighting kits. This is a student requested item.				
* In-Line Lighting Dimmer Kit 150W	misc-equipment	\$17.00	4	\$68.00

Location: Raitt Hall - 132

Description: Dimming kit for lower wattage light kits.

Justification: Allows for dynamic lighting levels for various proposed lighting kits. This is a student requested item.

* Filmtools 25' Stinger	misc-equipment	\$40.00	8	\$320.00
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Location: Raitt Hall - 132

Description: Extension cord rated for high wattage lighting equipment.

Justification: Provides safe powering and extension cord capabilities to various lighting kits. This is a student requested item.

* Filmtools 50' Stinger	misc-equipment	\$58.00	4	\$232.00
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Location: Raitt Hall - 132

Description: Extension cord rated for high wattage lighting equipment.

Justification: Provides safe powering and extension cord capabilities to various lighting kits. This is a student requested item.

* Practical Light Socket Assembly	misc-equipment	\$7.00	6	\$42.00
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Location: Raitt Hall - 132

Description: Standard Light Socket

Justification: Allows for simple ad hoc lighting supplements. This is a student requested item.

* Pelican Cases	misc-equipment	\$1,000.00	1	\$1,000.00
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Location: Raitt Hall - 132

Description: Various Cases for Red Camera Equipment

Justification: These will provide safe and secure transport and storage of the Red Camera and accessories.

* Matrox MXO External HD and SD Video Outp	audio/video-editing	\$975.55	1	\$975.55
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Location: Raitt Hall - 129

Description: The MXO allows us to output broadcast-quality HD and SD SDI video using one of our computer's DVI video output ports.

Justification: Will allow us to use our Apple computers for HD post-production flow. This is a student requested item.

* Comprehensive DVI-D to DVI-D HR Cable	audio/video-hardware	\$28.00	1	\$28.00
Location: Raitt Hall - 129				
Description: Adapter cable for Apple Cinema display monitors.				
Justification: Will allow us to use DVI monitors with our proposed HD monitoring solution. This is a student requested item.				
* General Brand USB 2.0 A Male to B Male C	audio/video-hardware	\$15.00	1	\$15.00
Location: Raitt Hall - 129				
Description: Cabling component for our proposed HD external monitoring solution.				
Justification: This cabling is required for the proposed external monitoring solution. This is a student requested item.				
* Panasonic BT-LH1700W Widescreen HD Monit	audio/video-editing	\$3,107.00	1	\$3,107.00
Location: Raitt Hall - 129				
Description: External LCD Monitor for HD Editing/Monitoring in our production studios.				
Justification: Allows for high quality monitoring of computer and external sources for HD post production. This is a student requested item.				
* Comprehensive 3-BNC Male to 3-BNC Male C	audio/video-hardware	\$33.00	1	\$33.00
Location: Raitt Hall - 129				
Description: Cabling for the Panasonic BT Monitor.				
Justification: Required cabling for the Panasonic monitor in the scope of our proposed use. This is a student requested item.				
* Equinox Pro 10 Mechanical Underwater Vid	audio/video-hardware	\$2,997.00	1	\$2,997.00
Location: Raitt Hall - 132				
Description: Underwater camera housing for our HD cameras.				
Justification: This will give us the ability to record high-definition footage underwater. This is a student requested item.				
Requested Total:				\$106,975.55
Approved Total:				\$106,975.55
Funding Status:				Fully Funded

Comments

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As the HD revolution fast approaches it is necessary to upgrade our technological means beyond the minimum standard set forth by typical end-user equipment. The Red Camera clearly provides the modality necessary to remain at the cutting edge of artistic and cinematic creation. Meanwhile, lighting kits currently available for check out have ascertained their service limit. It is a rare occasion when I can check out a light kit that does not have a barn door broken, a light that burns through bulbs too quickly, tape holding parts together, clamps missing, and/or other surprises that spell misfortune for a film shoot.



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