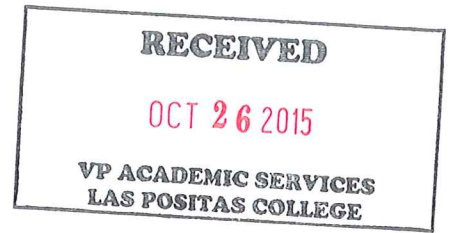# Instructional Equipment Request
2015-16

Fall 17

SECTION 1: SUMMARY INFORMATION

Brief Title of the Request: Large Format Printer

Equipment Location: 4112

Name of Requestor: Titian Lish

Division/ Unit: ALSS/Theater

SECTION 2: EQUIPMENT DESCRIPTION

Check one of the following:
The equipment is: ☐ A replacement ☐ An upgrade ☒ New equipment/technology

Describe the specific equipment requested and how it will be used to replace, upgrade or provide new technology to the college from what is currently in place? If there is a legal requirement, a mandate, or safety concern for purchase of this equipment, please discuss and make specific reference to that regulation/concern. (Cost data should be recorded in Sec. 7)

Canon Image ProGraf Large Format Inkjet Printer. Printer Cover. Paper and Ink.

SECTION 3: EDUCATIONAL ITEMS- PROGRAM REVIEW

Which educational programs or institutional purposes does this equipment support?

Specifically, THEA 50L: Intro to Lighting Design, THEA 48A-B Technical Theater in Production: Intro and Beginning. Additionally it can be used by THEA 48D, and the performing arts programs to create in house banners and posters

Is this equipment included in your Program Review? ☐ Yes ☒ No

If yes, please cut and paste the appropriate wording here. If not, explain why.

At the initial writing of the Program Review the need had not been identified. THE PPU Update for 2015 was heavily focused for SLO and did not specifically identify equipment or upcoming funding needs as a needed update.

SECTION 4: TEACHING AND LEARNING
Describe in some detail the impact this equipment will have on teaching and learning.

Impact on teaching: *This large format printer will enable the instructor of the tech theater and lighting design courses to print out scenic design, light plot posters, and banners. Currently we do not have that ability, but the industry standard for design is large format not small.*

Impact on learning: *Students will gain the ability to produce their work on a large scale, helping them locate mistakes and/or inconsistencies in the real world application of the their designs, prior to the build or hang process of production*

Rev 05 27 15

Per academic year, this equipment will impact:

    02   Number of classes or sections

    25   Number of students

SECTION 5: OUTCOMES (SLOs)

By documenting your specific SLOs, how will equipment enable student learning outcomes to be achieved? What are the consequences related to learning outcomes if request is not funded?

As students are developing their skill sets in technical theater and lighting design, they should be given the opportunity to see their work on a large scale professional format, so as to better assess skill progression and design problems before bringing them into production. Failure to fund the printer will mean continued costs by the dept for sending work offsite to be printed in large scale and student design work will continue to be at a sub-par professional expectation.

SECTION 6: LPC PLANNING PRIORITIES

Please address how this equipment will serve the current LPC planning priorities.

"Provide necessary institutional support for curriculum development and maintenance". – This equipment allows the technical theater instructors to further develop the skill set of the students on a technology relevant to their professional goals.

SECTION 7: TOTAL COST OF OWNERSHIP (FINANCIAL & SUSTAINABILITY)

What is the potential life span of the requested equipment?: *5+ years with software compatibility*

What will be required to maintain the equipment, such as regular servicing or upkeep? Include these costs in initial and on-going costs below.

Approx$0 – The simple cleaning of the machine should make it easy to upkeep with minimal costs to the theater dept.

Where will the equipment be used or housed? If new storage is needed, describe the storage, location and costs to provide for it. Include these costs in initial costs below.
No new storage is needed. It will be stored in the Design Lab (4240)

Part A: Initial Start-up Costs

	Costs	Comments
Equipment or Materials	3518.61	
Shipping or Delivery charges	0.00	Local dealer. Estimated cost unknown, if necessary
Installation costs	0.00	
Costs to modify facilities	0.00	
Vendor Discount	0.00	
Any Other Costs- training, etc.	390.00	Service Contract
Local Sales Tax	334.22	Included in equipment
Grand Total Costs =	$ 4242.83	Click the $ and press F9 to calculate the grand total

A completed purchase order(s) and quote(s) for this total cost must be attached.

Part B: On-going Annual Operating Costs

Costs		
Annual service or maintenance contract	$390.00	CarePak Pro 2 year plan
Estimated parts replacement each year	$0.00	
Outside standardization or calibration costs	$0.00	How often?
Storage costs	$0.00	
New supply costs	$0.00	
Any other costs, including labor	$0.00	Specify
Annual Operating Costs =	$390.00	

Part C: Incremental Labor Costs
Please describe who will be the key operator and who will perform the maintenance & repairs.

The primary operators will be the technical theater instructor, instructional assistant, and stage technician

Are these individuals already trained? If not, how will they be trained, how long is the training and is there a cost for the training. Please include the cost above in initial start-up. Is the maintenance, operation and repair currently within their scope of duties?

Training via manual and video

Estimate the amount of time required in a month to perform this maintenance or operation

none

Explain how this equipment meets or exceeds basic sustainability efforts and/or provides renewable resources to the college?

With proper maintenance and use care, this printer should last many years, with subsequent printing costs for ink and paper being paid for by the theater dept.

Funded requestors will be expected to respond to a brief RAC feedback survey by a requested deadline. Requests for computer related equipment & printers must be reviewed by LPC IT Department

IT Department Authorized Signature: _____

Signatures: _____

Requestor _____
Date Originated: 10/14/15

Dean/Manager 10/14/15
Date Received _____

Vice President
Date Received _____

Rev 05 27 15

imagePROGRAF

imagePROGRAF iPF765/760 MFP

SCANNER SPECIFICATIONS

Scan Speed*
- 24-bit Full Color @ 200 dpi: 1.67" (per second)
- 8-bit Grayscale and Monochrome @ 200 dpi: 10" (per second)

Scan Modes
- 16.7-million Color RGB (24-bit)
- 256 color RGB adaptive indexed color palette (8-bit)
- 256-level Grayscale (8-bit)
- Black and White (1-bit)

Color Space
Normalized RGB

Resolution
- 2400 dpi (maximum)
- 600 dpi (optical)

Scan Accuracy**
+/- 0.1% ; +/- 1 pixel

Maximum Image Width
40 Inches

Maximum Media Width
41 Inches

Maximum Scan Length
96 Inches

Maximum Media Thickness
0.012 Inches (0.3mm)

Media Feed System
Single large diameter precision ground drive roller; adaptive CIS media focus management and media guide mechanism; intuitive face-up, front-loading, and front-exit media path with side justification; automatic media size detection with reliable optical media sensors

Digital Imaging Technology
Contact Image Sensor (CIS) Technology
- 5x close-spaced "deep focus" CIS (25,000 pixels)
- 48-bit RGB digital color image capture
- 16-bit grayscale image capture
- Panchromatic monochrome and black and white
- Bi-directional extra long-life LED light system for optimum object illumination and instant-on scanning capability

Digital Image Processing
- 2D Intelligent Adaptive Thresholding (IAT) (1-bit mode)
- Fixed Threshold Black and White (1-bit mode)
- Dynamic Normalization Application (DNA) with 16-bit super sampling

User Status and One-Touch Operation
Center mounted LCD scanner control panel; walk-up operation and user selection of scanner mode with stop, forward, rewind, scan, and copy buttons; local language options, panel overlay, and Magnetic Media Guide

Included Software
SmartWorks MFP scan-to-file, copy, e-mail with real-time image viewer. Supports TIFF, JPEG, TIFF G4, and PDF.

Operating System
Windows 7 Professional (64-bit)

User Maintenance
Installable plug-n-play scanner; simple cleaning

Scanner Interface Kit
USB 2 Hi-speed

Operating Environments
10 – 30°C, 35-80% RH, non-condensing

External Power Supply
100-250 VAC autosensing +/- 10%, 50-60 Hz

Scanner Power Consumption
- 40Wh (Scanning)
- 4.2Wh (Stand-by)

Compliances
CB, CE, FCC, UL, RoHS, ENERGY STAR®

MFP Dimensions
Height: Swing arm high: 63"
Swing arm low: 56.2"
Straight arm: 68.2"
Width: With swing arm extended: 78.5"
With straight arm: 61.2
Depth: Flat stacker: 47.3"
Regular basket: 38.4"
Closed: 31.2"

What's In The Box?
- imagePROGRAF Printer***
- Ci C40 Scanner with power cord and USB 2.0 Cable (Scanner to Server)
- 2 Meter USB Cable (Server to Printer)
- Ci C40 MFP Stand
- Ci C40 MFP Stand Assembly Instructions
- SmartWorks MFP Software
- Computer
- Flat Panel Touch-screen Display
- Installation and Operation Manual
- Operator Manual on CD-ROM

* The scan rate is proportional across the full range of resolutions supported by the scanner. Actual scan times will depend on the host system performance. Quoted top speeds may be limited by the effective bandwidth of the USB 2 and is not guaranteed for all media types.

** The quoted scan accuracy may vary depending on the operating environment and the thickness of the media.

*** Please refer to www.usa.canon.com/imageprograf for specifications for imagePROGRAF printer models.

Canon

imageANYWARE

1-800-OK-CANON
www.usa.canon.com

Canon U.S.A., Inc.
One Canon Plaza
Lake Success, NY 11042

L-COA

FINE
Full-photolithography Inkjet
Nozzle Engineering

GENUINE
ALWAYS ASK FOR CANON
TONER, PARTS & SUPPLIES

generation green

energy STAR

TECHNICAL INNOVATIONS

Built with the user in mind, the imagePROGRAF iPF765/760 MFP Systems include features that make them easy and practical to use.

HARDWARE DESIGN

The scanner stand is designed to connect directly to the printer stand to create a **one-piece structure** that helps reduce the total footprint of the iPF MFP. The stand gives you the flexibility to use as an "all-in-one" configuration or be set up as an independent scanner stand. There also are options for the monitor position incorporated into the new design. You can choose which side of the stand to place the monitor and whether to use a straight or a swing arm. When using the swing arm, you can choose between two height options. This single-stand design eliminates the need to move the printer and scanner, piece by piece, when setting up or relocating the MFP. The integrated **Flat Stacker/Basket** provides the capability to neatly stack up to twenty 24" x 36" plain paper prints. The basket can be configured as a regular basket, a small stacker, or a larger flat stacker/basket.
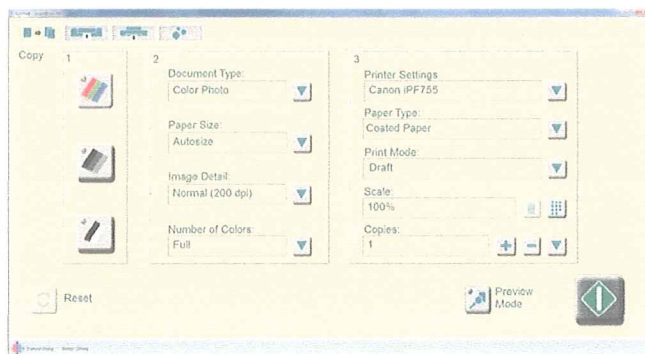
EMBEDDED SECURITY

A new **interface lock system** enhances the security functions of the printer. This feature provides an option for administrative control to restrict usage to the printer. The imagePROGRAF iPF765 printer is equipped with a hard drive erase feature that completely erases data sent to the printer from the printer's hard disk. This **highest level of erasure** meets the U.S. Department of Defense requirements (DoD5220.22-M) for erasure of disk media.

CIS SCANNING TECHNOLOGY

The imagePROGRAF iPF MFP uses CIS technology to capture the finest image detail in technical documents, maps, sketches, hand-annotated drawings, and complex schematics. With true **600-dpi optical resolution**, you can achieve exceptional monochrome performance with very sharp, clean images as well as high-definition color reproduction. And dynamic preview ensures that scans and copies match original hard-copy documents every time.

INNOVATIVE SOFTWARE

The included SmartWorks MFP software provides users with an easy-to-use interface that requires less interaction between the user and the software. This will reduce the time spent preparing each print and streamline the process as well. The interface includes labels for each button, making printing a file or scanning to copy or file/e-mail as easy as 1-2-3. The large preview screen makes it easier for users to make edits and see dynamic changes on-screen.

Large preview screen

- Make edits and see dynamic changes on-screen
- Press green button and apply all changes to original scanned file

Image Editing Capabilities

- Manual Deskew Feature
- Brighten Feature
- Crop Feature
- Zoom In/Out Feature

HIGH-QUALITY OUTPUT

Print complex schematics with super-clear small text fonts and crisp lines over color backgrounds, even on uncoated technical papers. A super-high-density print-head ejects tiny 4pl droplets of ink that consistently produce **2400 x 1200 dpi output with fine lines within +/- 0.10% accuracy** and as thin as 0.02mm. And Canon's unique 5-color Reactive ink-set delivers durable, smudge-resistant prints with sharp lines and text, bold colors, and smooth fills.
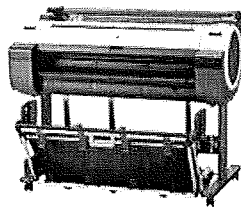
With four lines of imagePROGRAF large-format solutions... whatever your needs, Canon has the answer.

B&H Photo Video Pro Audio The Professional's Source
800.606.6969/212.444.6615

FREE EXPEDITED SHIPPING ON ORDERS OVER $49.00
for qualified items

MY CART

☐ Select All   Remove   Move to List   **Quantity**   **Price**

☐

Canon imagePROGRAF iPF760 36" Large Format Inkjet Printer
B&H #CAIPF760 • MFR #6470B002AA
FREE SHIPPING (USA)

1   $2,399.99**x**

Update
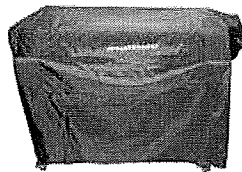
Square Trade **Protection plan:** $109.99

2 Year Protection plan
Compare all options

Item Total: $2,509.98
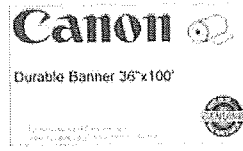
☐

Canon DC36-2 Dust Cover
B&H #CADC362 • MFR #1480B004
Free Expedited Shipping

1   $99.99**x**
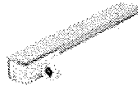
Update

Item Total: $99.99

□ **Canon Durable Matte Polypropylene Inkjet Banner Paper (36" x 100' Roll, 130 ...**
B&H #CADB36100 · MFR #0834V778
Free Expedited Shipping

1    $109.95**x**

Update

Item Total: **$109.95**

□ **Canon Glossy Photo Inkjet Roll Paper (36" x 100')**
B&H #CAGPP36100Q · MFR #2047V129
Free Expedited Shipping

2    $113.99**x**

Update

Item Total: **$227.98**

□ **Canon Hi Res Coated Bond Paper (120gsm) for Inkjet - 36" x 100'**
B&H #CAHRCB36100 · MFR #1099V650
Free Shipping for this Item
Free Expedited Shipping on Orders over $49

6    $46.95**x**

Update

Item Total: **$281.70**

Canon PFI-104M Photo Magenta Ink Tank (130 ml)

B&H #CAPFI104M • MFR #3631B001AA

2    $66.50**x**

Free Expedited Shipping   Update

Item Total: **$133.00**

Canon PFI-102BK Black Ink Tank (130 ml)

B&H #CAPFI102BK • MFR #0895B001AA

2    $66.50**x**

Free Expedited Shipping   Update

Item Total: **$133.00**

Canon PFI-102Y Yellow Ink Tank (130 ml)

B&H #CAPFI102Y • MFR #0898B001AA   2 $66.50**x**

Free Expedited Shipping

Update

Item Total: **$133.00**

Canon PFI-102C Cyan Ink Tank (130 ml)

B&H #CAPFI102C • MFR #0896B001AA   2 $66.50**x**

Free Expedited Shipping

Update

Item Total: $133.00

Canon PFI-102MBK Matte Black Ink Tank (130 ml)

B&H #CAPFI102MBK • MFR #0894B001AA   2 $66.50**x**

Free Expedited Shipping

Update

Duplicate

Item Total: $133.00

Shipping   **Store Pickup**
                                    NYC SuperStore

SubTotal: **$3,894.60**
Sales Tax: Choose Above
Shipping: Choose Above

LAS POSITAS COLLEGE Equipment, Apparatus and Service Requisition   #R

FOR REIMBURSEMENT: List payee name & ssn.

B&HPhotoVideo

NAME OF STAFF MEMBER	DATE WRITTEN	DATE REQUIRED	DIVISION/ DEPARTMENT	For inventory purposes include room # where
Titian Lish	10/12/2015	8/1/2015	THEATER/ALSS	equipment will reside: 4240

FOR OFFICE USE ONLY

RETURN COPY of REQUISITION TO:

DESCRIPTION (PRODUCT, TYPE, SIZE, COLOR, STOCK NUMBER)	UNIT	QTY	UNIT PRICE	EXTENDED COST
				$ -
Canon Image ProfGRAF 760	ea	1	$ 2,399.99	$ 2,399.99
Canon DC36-2 Dust Cover	ea	1	$ 99.99	$ 99.99
Canon Matte Banner Paper	ea	1	$ 109.95	$ 109.95
Canon Glossy Photo Paper	ea	2	$ 113.99	$ 227.98
Cannon Hi Res Bond Paper	ea	6	$ 46.95	$ 281.70
Canon PFI-104M Magenta Ink Tank	ea	2	$ 66.50	$ 133.00
Canon PFI-102BK Black Ink Tank	ea	2	$ 66.50	$ 133.00
Canon PFI-102C Cyan Ink Tank	ea	2	$ 66.50	$ 133.00
Service Plan *no tax on plan	ea	1	$ 390.00	$ 390.00
				$ -
				$ -
				$ -
				$ -
				$ -
			Subtotal	$ 3,908.61
			Tax $ 0.0950	$ 371.32 334.22
			Shipping (if available):	

Deliver To: Las Positas College

3000 Campus Hill Drive

Livermore, Ca 94551

TOTAL COST $ 4,242.83

Original invoices and receipts must be attached for payment. Include current taxes unless incorporated in price.

ACCOUNT #					Business Office	4,279.93
	FUND	ORG	ACCT	PROGRAM		

APPROVALS

Supervisor/ Coordinator/ Director

Dean/ VP/ President