

Principal, Vijaygarh Jyotish Ray College invites e—tender for the work detailed in the table below. (Submission of Bid through online). For any query, contact at 6289119814 from Monday to Friday within 11:00 a.m. to 5:00 p.m.

Sl. No	Name of work	Amount put to tender (Rs.)	Earnest Money (Rs.)	Period of completion	Eligibility of Bidder
1.	Supplying and installation of Desktop Computers, Printers, LCD Projectors & Equipment for Department of Journalism & Mass Communication	20,00,000/-	40,000/—	30 days	As mentioned in the tender document

- The process of deposit of earnest money through offline instruments like Bank Draft, Pay Order etc. is closed for e— tender procurement. Necessary Earnest Money will be deposited by the bidder electronically: online — through his net banking enabled bank account, maintained at any bank or: offline —through any bank by generating NEFT/ RTGS challan from the e—tendering portal. Intending Bidder will get the Beneficiary details from e— tender portal with the help of Digital Signature Certificate and may transfer the EMD from their respective Bank as per the Beneficiary Name & Account No., Amount, Beneficiary Bank name (ICICI Bank) & IFSC Code and e—Proc Ref No.

Intending bidder who wants to transfer EMD through NEFT/RTGS must read the instruction of the Challan generated from E—Procurement site.

Bidders are also advised to submit EMD of their bid, at least 3 working days before the bid submission closing date as it requires time for processing of Payment of EMD.

Bidders eligible for exemption of EMD as per Govt. rule may avail the same and necessary documents regarding the exemption of EMD must be uploaded in the EMD folder of Statutory bid documents.

- In the event of e—filling, intending bidder may download the tender documents from the website: <https://etender.wb.nic.in> directly with the help of Digital Signature Certificate. Technical Bid and Financial Bid both will be submitted concurrently duly digitally signed in the <https://etender.wb.nic.in>. Tender document may be downloaded from website & submission of Technical Bid/Financial Bid. The documents submitted by the bidders should be properly indexed

& digitally signed.

- Both Technical document and Financial Bid are to be submitted in technical (Statutory & Non- Statutory folder) and financial folder concurrently duly digitally signed in the website <https://etender.wb.nic.in>.

- The Technical document and Financial Bid submission: As per Table mentioned at page—4.

- The FINANCIAL OFFER of the prospective bidder will be considered only if the TECHNICAL Document (both statutory and non—statutory) of the bidder found qualified by the Principal, Vijaygarh Jyotish Ray College. The decision of the Principal, Vijaygarh Jyotish Ray College will be final and absolute in this respect. The both list of Responsive and Non—Responsive Bidders will be displayed in the website and also in the Notice Board of the office of the Principal, Vijaygarh Jyotish Ray College on the scheduled date and time.

6. Eligibility criteria for participation in the tender:

- (i) The manufacturer should be a reputed concern, having presence at least in multiple countries. Vendor must have working office and service center at Kolkata. The manufacturer must have business in relevant field in India for at least 10 years.
- (ii) In case of Proprietorship and Partnership Firms and Company to Tax Audited Report in 3CD Form is to be furnished along with Balance Sheet & Profit and Loss A/c. for the last 5 (five) years (year just preceding the current Financial year will be considered as year—1). [Non statutory Documents]
- (iii) Declaration regarding Structure and Organization duly digitally signed by the applicant to be submitted along with application.
- (iv) A prospective bidder shall be allowed to participate in a single job either in the capacity of individual or as a partner of a firm. If found to have applied severally in a single job, all his applications will be rejected for that job.
- (v) Where there is a discrepancy between the unit rate & the line item total resulting from multiplying the unit rate by the quantity, the unit rate quoted shall govern.
- (vi) The Partnership Firm shall furnish the registered partnership deed and the company shall furnish the Article of Association and Memorandum. [Non statutory Documents]
- (vii) Where an individual person holds a digital certificate in his own name duly issued to him by the company or the firm of which he happens to be a director or partner, such individual person, either belonging to an appropriate cadre officer of the company or an authorized partner of a firm, having a registered power of attorney empowered by the board or by the firm shall invariably upload a copy of registered power of attorney showing clear authorization in his favour to upload such tender.
- (vii) No mobilization / secured advance will be allowed.
In connection with the work, Arbitration will not be allowed.
- (viii) Bids shall remain valid for a period not less than 120 (one hundred twenty) days after the dead line date for Financial Bid/Sealed Bid submission. Bid valid for a shorter period shall be rejected by the Principal, Vijaygarh Jyotish Ray College, as non-responsive. If the bidder withdraws the bid during the period of bid validity the earnest money as deposited will be forfeited forthwith without assigning any reason thereof.
- (ix) The Agency will be liable to maintain the work at working portion at the appropriate service level to the satisfaction of the Principal at his own cost for a period as per prevailing Govt. rule from the date of completion of the work. If any defect/damage is found during the period as mentioned above contractor shall make the same good at his own cost expense to the specification at par with instant project work. Failure to do so, penal action against the Agency will be imposed by the Department as deem fit. The Agency will have to quote his rate considering the above aspect.
- (x) All Bidders are requested to be present in the office of the Principal, Vijaygarh Jyotish Ray College during opening the financial bid. The Principal, Vijaygarh Jyotish Ray College may call Open Bid/Seal Bid after opening of the said bid to obtain the suitable rate further, if it is required. No objections in this respect will be entertained raised by any Bidder who will present during opening of bid, or from any Bidder who will absent at the time of opening of Financial Bid. No informal bidder will be entertained in the Bid further.
- (xi) Prospective applicants are advised to note carefully the minimum qualification criteria as mentioned in 'Instructions to Bidders' before tendering the bids.
- (xii) Conditional/Incomplete tender will not be accepted under any circumstances.
- (xiii) The intending bidders are required to quote the rate on line.

7. Important information

Date & Time schedule:

Sl. No.	Particulars	Date & Time
1.	Date of uploading of NIT Documents online (Publishing Date)	23.07.2019
2.	Documents download/sell start date (Online)	24.07.2019 from 10.00 hrs
3.	Documents download/sell end date (Online)	22.08.2019 at 15.00 hrs.
4.	Bid submission start date (On line)	24.07.2019 from 11.00 hrs
5.	Bid submission closing (On line)	22.08.2019 at 15.00 hrs.
6.	Bid opening date for Technical Proposals (Online)	26.08.2019 at 12::00 hrs
7.	Date of uploading list for Technically Qualified Bidder (Online)	Will be uploaded after technical bid evaluation
8.	Date & Place for opening of Financial Proposal (Online)	Will be uploaded after technical bid evaluation
9.	Date of uploading of list of bidders along with the offer rates through (Online). Also if necessary for further negotiation through offline for final rate.	Will be uploaded after opening of financial bid

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LOCATION OF CRITICAL EVENT

Bid Opening



Office of the Principal, Vijaygarh Jyotish Ray College, 8/2 Bijoygarh, Jadavpur, Kolkata - 700032

In case of ascertaining authority of intending bidders at any stage of tender process or execution of work, necessary registered irrevocable power of attorney is to be produced as and when asked for by the Tender Inviting & Accepting Authority / Engineer-In- Charge.

9. During the scrutiny, if it come to the notice to tender inviting authority that the credential or any other paper found incorrect/manufactured/fabricated, that bidder would not allowed to participate in the tender and that application will be out rightly rejected without any prejudice. The Principal, Vijaygarh Jyotish Ray College reserves the right to cancel the NIT due to unavoidable circumstances without assigning any reason,. Whatsoever, to the bidders and no claim in this respect will be entertained.

10. In case if there be any objection regarding prequalifying the Agency that should be lodged to the the Principal, Vijaygarh Jyotish Ray College within 02(two) day from the date of publication of list of qualified agencies and beyond that time schedule no objection will be entertained.

11. Before issuance of the WORK ORDER, the tender inviting authority may verify the credential and other documents of the lowest bidder if necessary. After verification if it is found that the documents submitted by the lowest bidder is either manufactured or false in that case work order will not be issued in favour of the said bidder under any circumstances and the Earnest Money deposited by the bidder will be forfeited by the Tender Inviting Authority without assigning any reason thereof.

12. Qualification criteria:— The tender inviting & Accepting Authority will determine the eligibility of each bidder, the bidders shall have to meet all the minimum criteria regarding:

a) Financial Capacity

b) Technical Capacity comprising of personnel & equipment capability.

(i) Experience/Credential eligibility of a bidder will be ascertained on the basis of the digitally signed documents in support of the minimum criteria as mentioned in a, b, c above. If any document submitted by a bidder is either manufacture of false, in such cases the eligibility of the bidder/ bidder will be out rightly rejected at any stage without any prejudice.

13. Before issuance of the WORK ORDER, the tender inviting authority may verify the credential and other documents of the lowest bidder if necessary. After verification if it is found that the documents submitted by the lowest bidder is either manufactured or false in that case work order will not be issued in favour of the said bidder under any circumstances and the Earnest Money deposited by the bidder will be forfeited by the Tender Inviting Authority without assigning any reason thereof.

SECTION — A INSTRUCTION TO BIDDERS

General guidance for e—Tendering:

Instructions / Guidelines for electronic submission of the tenders have been annexed for assisting the contractors to participate in e—Tendering.

1. Registration of Contractor:

Any contractor willing to take part in the process of e—Tendering will have to be enrolled & registered with the Government e—Procurement system; through logging on to <https://etender.wb.nic.in> (the web portal of Public Works Department) the contractor is to click on the link for e—Tendering site as given on the web portal.

2. Digital Signature certificate (DSC):

Each contractor is required to obtain a Class—II or Class—III Digital Signature Certificate (DSC) for submission of tenders from the approved service provider of the National Informatics Centre (NIC) on payment of requisite amount. Details are available at the Web Site stated in Clause A.1 above. DSC is given as a USB e—Token.

3. The contractor can search & download NIT& Tender Document(s) electronically from computer once he logs on to the website mentioned as stated above using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

4. Submission of Tenders:

Tenders are to be submitted through online to the website stated above in two folders at a time for each work, one in Technical Proposal & the other is Financial Proposal before the prescribed date & time using the Digital Signature Certificate (DSC). The documents are to be uploaded virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed into non readable formats).

5. Technical Proposal:

The Technical proposal should contain scanned copies of the following in two covers (folders):

a) Statutory Cover Containing the following documents:

(i) NIT.

(ii) The rate will be quoted in the B.O.Q. Quoted rate will be encrypted in the B.O.Q. under Financial Bid.

b) Non—statutory Cover containing the following documents:

(i) Professional Tax (PT) deposit receipt challan for the current financial year, Pan Card, IT, Saral for the current assessment year, GST Registration Certificate.

(ii) Registration Certificate under Company Act. (If any).

(iii) Registered Deed of partnership Firm / Article of Association & Memorandum.

(iv) Power of Attorney (For Partnership Firm / Private Limited Company, if any).

(v) Tax Audited Report in 3 CD form along with Balance Sheet & Profit & Loss A/c. for the last 5 (*five*) years (year just preceding the current Financial Year will be considered as year—I)

(vi) Clearance Certificate for the Current Year issued by the Assistant Register of Cooperative Society (ARCS), bye laws are to be submitted by the Registered Labour Cooperative Society / Engineers' Co-Operative Society.

(viii) List of Technical staffs along with structure & organization if ask for.

N.B.: Failure of submission of any of the above mentioned documents as stated will render the bidder liable to be rejected for both statutory & non statutory cover.

The above stated Non—Statutory/ Technical Documents should be arranged in the following manner: Click the check boxes beside the necessary documents in the My Document list and then click the tab "Submit Non Statutory Documents" to send the selected documents to Non—Statutory folder.

S.No	Category	Sub Category	Sub Category Description	File
1.	(CERTIFICATES)	CERTIFICATES	GST (registration CERTIFICATE ALONG WITH (ACKNOWLEDGEMENT, PAN, LATEST IT ACKNOWLEDGEMENT, P TAX,	
2.	(COMPANY DETAILS	COMPANY DETAIL 1	TRADE LICENSE, Company registration Certificate	
3	CREDENTIAL	CREDENTIAL—1	CREDENTIAL	
4.	(FINANCIAL INFO)	P/L & Balance Sheet Last 3 years	P/L & Balance Sheet Last 3 years	

1. Tender Evaluation Committee (TEC)

Evaluation Committee constituted as per Order of the Principal, Vijaygarh Jyotish Ray College will function as Evaluation Committee for selection of technically qualified contractors.

2. Opening of Technical Proposal:

Technical proposals will be opened by the Principal, Vijaygarh Jyotish Ray College and his authorized representative electronically from the website using their Digital Signature Certificate (DSC).

3. Cover (folder) for Statutory Documents will be opened first and if found in order, cover (folder) for Non-Statutory Documents will be opened. If there is any deficiency in the Statutory Documents, the tender will summarily be rejected.

4. Decrypted (transformed into readable formats) documents of the non-statutory cover will be downloaded & handed over to the Tender

Evaluation Committee.

5. Summary list of technically qualified bidders will be uploaded online.

6. Pursuant to scrutiny & decision of the Tender Evaluation Committee the summary list of eligible bidders & the serial number of work for which their proposal will be considered will be uploaded in the web portals.

7. During evaluation the committee may summon the bidders & seek clarification / information or additional documents or original hard copy of any of the documents already submitted & if these are not produced within the stipulated time frame, their proposals will be liable for rejection.

8. Financial Proposal

(i) The financial proposal should contain the following documents in one cover (folder) i.e. Bill of Quantities (BOQ).

(ii) Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the contractor.

(iii) Penalty for suppression / distortion of facts:

If any bidder fails to produce the original hard copies of the documents like Completion Certificates and any other documents on demand of the Tender Evaluation Committee within a specified time frame or if any deviation is detected in the hard copies from the uploaded soft copies, it may be treated as submission of false documents by the bidder and action may be referred to the appropriate authority for prosecution as per relevant IT Act.

(iv) Rejection of Bid:

Employer reserves the right to accept or reject any Bid and to cancel the Bidding processes and reject all Bids at any time prior to the award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for Employer's action.

(v) Award of Contract:

The Bidder who's Bid has been accepted will be notified by the Tender Inviting & Accepting Authority through acceptance letter/ Letter of Acceptance. The notification of award will constitute the formation of the Contract.

Guideline for BOQ:

Item Description	quantity	Units
1. Branded Desktop PC	25	Number
2. All-in-One Ink-tank Printer	5	
3. LCD Projector	5	
Department of Journalism & Mass Communication		Number
1. Laserjet A3 Printer	1	
2. Digital SLR Camera	1	
3. Digital Compact Camera (Point & Shoot)	2	
4. Digital Camcorder	1	
5. Handycam	1	
6. Video mixer	1	
7. Digital Audio Mixer	1	
8. Desktop Computer with Mac OS	1	
9. STUDIO LIGHT	1	
10. BOOM MICROPHONE	3	
11. HEADPHONE	2	
12. BOOM STICK	1	

For Detailed Technical specifications of above items, kindly contact the college office or, contact at 6289119814 from Monday to Friday within 11:00 a.m. to 5:00 p.m.

Sd-/

PRINCIPAL, VIJAYGARH JYOTISH RAY COLLEGE

8/2 Bijoygarh, Jadavpur, Kolkata – 700032

Technical Specifications of Commercial Desktop :

Item	Specification
Processor	Intel® 8th Generation Core i3 8100 (3.6 Ghz, 4 Core, 6MB Cache) or higher
Motherboard	OEM logo embossed (No Paint and No sticker) motherboard
Memory	4 GB DDR4 RAM expandable to 32GB; Two DIMM slots
Hard Disk	1TB Serial ATA (7,200 Rpm) Hard Drive
Monitor	18.5 inches with LED Backlight or higher (resolution of 1366 X 768) with Energy Star 7.0 & EPEAT GOLD Certifications (Same Desktop OEM make)
Ethernet	Integrated Gigabit (10/100/1000) NIC
Mouse	2 Button USB Optical Scroll Mouse (Same OEM make/brand as system)
Keyboard	104 Keys USB keyboard (Same OEM make/brand as system)
Optical Drive	Internal DVD R/W Drive
Graphics	Intel HD Graphics
Audio	Internal audio connector with Internal audio Speaker
I/O Ports	8 or more USB (at least 4 USB V3.1 Gen1)
	1 Ethernet (RJ45)
	1 VGA / 1 Display port
	1 Stereo line in/out
	1 HDMI port
	1 Serial Port
Security	Security for Inbuilt Pre-Boot BIOS Diagnostics, TPM 2.0
Chassis	SFF Form factor with volume not more than 8 Litre
Power Supply	Power supply not more than 190 W with active PFC minimum 90% efficiency
Operating System & Media	Genuine Microsoft Windows 10 Pro 64-bit with one button recovery
Compliance/ Certification	TCO 7.0 certification, Energy star 6.0, EPEAT Certified for India, ROHS and UL certificate.
Warranty	3-3-3 years On-site Warranty (OEM supplied model Warranty must be visible in OEM website in respect to each product serial number)
Vendor Status	The manufacturer should be a reputed concern, having global presence in multiple countries. Average Yearly Turnover of OEM greater than 500cr with Net positive worth in last 5 years. Vendor must have working office and service centre at Kolkata. The manufacturer must have desktop business in India for at least 10 years.
Vendor Authorisation	OEM Authorization from Zonal office for the vendor participating
Information Accessibility	Brochure and specification sheets of the product to be available in public domain and also needs to be attached with the tender.
Special Instructions to bidder	Please mention the offered desktop model number, Intel Processor number and monitor model number clearly in your bid for the proper technical evaluation, otherwise your bid may be rejected due to lack of information.

All-in-One Ink Tank Printer

Technical specifications

AIO functions	Print, Scan and Copy
Print	
Technology	Thermal Inkjet
Duplex print options	Manual (driver support provided)
Speed ¹	Black: Up to 19 ppm (draft, A4); Up to 7.5 ppm (ISO); Colour: Up to 15 ppm (draft, A4); Up to 4.5 ppm (ISO)
First page out (A4, ready)	Black: As fast as 13 seconds; Colour: As fast as 17 seconds
Resolution	Black (best): Up to 1200 x 1200 rendered dpi; Colour (best): Up to 4800 x 1200 optimised dpi colour (when printing from a computer and 1200 input dpi)
Borderless printing	Yes, up to 210 x 297 mm (A4)
Ink types	Dye-based (colour); pigment-based (black)
Scan	
Type	Flatbed
Technology	Contact Image Sensor (CIS)
Resolution	Hardware: Up to 1200 x 1200 dpi; Optical: Up to 1200 x 1200 dpi; Enhanced: Up to 1200 dpi
Max scanning size	Flatbed: 216 x 297 mm
Input modes	Scanning
Grayscale levels	256
Bit depth	24-bit
File format	JPEG, TIFF, PDF, BMP, PNG
Copy	
Speed ²	Black: Up to 7 cpm (ISO); Colour: Up to 2 cpm (ISO)
Resolution	Black (text and Graphics): Up to 600 x 300 dpi; Colour (text and graphics): Up to 600 x 300 dpi
Max copies	Up to 9 copies
Display	7 segment + icon LCD
Duty cycle (monthly, A4) ³	Up to 1,000 pages
Recommended monthly page volume	400 to 800 pages
Media	
Supported sizes	A4, B5, A6, DL envelope
Supported weights	A4: 60 to 90 g/m ² ; envelopes: 75 to 90 g/m ² ; cards: up to 200 g/m ² ; 10 x 15 cm photo paper up to 300 g/m ²
Recommended weights	75 g/m ²
Types	Plain Paper, Photo Papers, Matte Brochure or Professional Paper, Matte Presentation Paper, Glossy Brochure or Professional Paper, Photo Inkjet Papers, Matte Inkjet Papers, Glossy Inkjet Papers
Paper handling	60-sheet input tray, 25-sheet output tray
Memory	Integrated
Processor speed	360 MHz
Operating system compatibility	Microsoft® Windows® 10, 8.1, 8, Windows Vista®, Windows® XP SP3 or higher (32-bit only) Windows Server 2008 32-bit (SP1 or greater), Windows Server 2008 64-bit (SP1 or greater), Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016, OS X v10.10 Yosemite, OS X v10.11 El Capitan, macOS Sierra v10.12 (previously OS X)
Minimum system requirements	PC: Microsoft® Windows® 10, 8.1, 8, 7: 1 GHz 32-bit (x86) or 64-bit (x64) processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer® Windows Vista® 800 MHz 32-bit (x86) processor, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8 Windows® XP SP3 or higher (32-bit only) any Intel® Pentium® II, Celeron® or 233 MHz compatible processor, 850 MB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port, Microsoft® Internet Explorer 8 Windows Server support is provided via the command line installer - Windows Server 2008 32-bit (SP1 or greater), Windows Server 2008 64-bit (SP1 or greater), Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2016, Mac: OS X v10.10 Yosemite - 1.5 GB Available Space, Internet Access OS X v10.11 El Capitan - 1.5 GB Available Space, Internet Access macOS Sierra v10.12 (previously OS X) - 1.5 GB Available Space, Internet Access
Connectivity	
Connectivity (Standard)	1 Hi-Speed USB 2.0
Supported network protocols	None
Environmental	
Operating environment	Operating temperature range: 5 to 40° C, Recommended operating temperature range: 15 to 30° C, Operating humidity range: 15 to 80% RH (non-condensing), Recommended operating humidity range: 20 to 80% RH, Storage temperature range: -40 to 60° C; Energy Savings Feature Technology
Acoustics	Acoustic power emissions: 6.0 B(A), Acoustic Power Emissions (active copy): 7.1 B(A) (copying at 25 ppm with ADF running); Acoustic pressure emissions: 47 dB
Power specifications	Power supply type: Internal, Power supply required: Input voltage: 100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz) High voltage: Input voltage 200 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3 Hz), Power consumption ⁴ : 10 watts maximum 0.07 watts (Off), 2.1 watts (Standby), 0.88 watt (Sleep)
Warranty	One year of 24/7 world-class technical support services. One-year or 20,000 pages limited hardware warranty, whichever is earlier from the date of purchase, user replaceable parts have separate warranty periods

LCD Projector

TECHNOLOGY

Projection System	3LCD Technology, RGB liquid crystal shutter
LCD Panel	0.55 inch with MLA (D10)

IMAGE

Colour Light Output	3,300 lumen - 2,050 lumen (economy) In accordance with IDMS15.4
White Light Output	3,300 lumen - 2,050 lumen (economy) In accordance with ISO 21118:2012
Resolution	XGA, 1024 x 768, 4:3
Contrast Ratio	15,000 : 1
Lamp	UHE, 210 W, 6,000 h durability, 10,000 h durability (economy mode)
Keystone Correction	Auto vertical: $\pm 30^\circ$, Manual horizontal $\pm 30^\circ$
Colour Reproduction	Upto 1.07 billion colours

OPTICAL

Projection Ratio	1.48 - 1.77:1
Zoom	Manual, Factor: 1.2
Image Size	30 inches - 300 inches
Projection Distance Wide/Tall	1.8 m - 2.17 m (60 inch screen)
Projection Lens F Number	1.49 - 1.72
Focal Distance	16.9 mm - 20.28 mm
Focus	Manual
Offset	8 : 1

CONNECTIVITY

USB Display Function	2 in 1: Image / Mouse
Interfaces	USB 2.0 Type A, USB 2.0 Type B, VGA in, HDMI in, Composite in, Cinch audio in, Wireless LAN IEEE 802.11b/g/n (optional)

ADVANCED FEATURES

Security	Kensington lock, Security cable hole, Wireless LAN unit lock, Password protection
3D	No
Features	AV mute slide, Automatic keystone correction, Built-in speaker, Horizontal and vertical keystone correction, Long lamp life, Quick Corner
Video Colour Modes	Blackboard, Cinema, Dynamic, Presentation, sRGB

GENERAL

Energy Use	282 W, 203 W (economy), 0.2 W (standby), On mode power consumption as defined in JBMS-84 257 W
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OTHER

Warranty	24 months Carry in, Lamp: 12 months or 1,000 h
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ITEMS WITH SPECIFICATIONS FOR DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION

1. PRINTER

TYPE: LASERJET

SPECIFICATIONS:

1. Intuitive control panel with 4-line color display
2. 300-sheet top output bin
3. One-door access to the easy-to-install print cartridges
4. 100-sheet multipurpose tray recognizes paper sizes up to SRA3
5. 250-sheet tray 2
6. 500-sheet tray 3
7. Three 500-sheet input trays with print stand for 2,350-sheet total input capacity
8. USB 2.0 port for walk-up printing
9. Built-in automatic two-sided printing
10. Hi-Speed USB 2.0 port for direct connection to printer
11. Jet direct 10/100/1000 Ethernet embedded print server
12. 1 GB RAM and an 800 MHz processor
13. 120 GB HP Encrypted High Performance Hard Disk
14. One open EIO slot

2. CAMERA

TYPE: DIGITAL SLR

SPECIFICATIONS:

1. USB. USB 2.0 (480 Mbit/sec)
2. HDMI (Mini Type C)
3. Wireless. Built-In.
4. Remote control. (Optional ML-L3 or WR-R10)
5. Storage types. SD/SDHC/SDXC.
6. Max resolution. 6000 x 4000.
7. Sensor photo detectors. 25 megapixels.
8. Sensor size. APS-C (23.5 x 15.6 mm)
9. ISO - Auto100 - 12800 (25600 with boost)
10. White balance presets - 12
11. Custom white balance - Yes (1)
12. Image stabilization - No
13. Uncompressed format - RAW
14. JPEG quality levels – Fine, Normal, Basic
15. OPTICS & FOCUS - Autofocus
16. Contrast Detect (sensor) Phase Detect Multi-area Center Selective single-point Tracking
Single Continuous Face Detection Live View
17. Manual focus - Yes
18. Number of focus points - 39

3. CAMERA

TYPE: DIGITAL COMPACT

SPECIFICATIONS:

1. Camera Type - Bridge Camera.
2. Camera Lens - Zoom Lens: 4 x Digital Zoom. 28 x Optical Zoom. 4-112 mm Focal Length - 3.1 Aperture Range.
3. 960 Shots.
4. Sensor - CCD.
5. Flash - Built-in flash.
6. ISO Range - 80-1600.
7. Image Stabilization

4. CAMCORDER

TYPE: DIGITAL HD PROFESSIONAL VIDEO

SPECIFICATIONS:

1. Native 1920 x 1080, 1/2.84" CMOS Sensor
2. 20x HD Zoom Lens
3. Latest Image Processor
4. Dynamic Image Stabilization
5. 3" OLED Touch Panel View Screen
6. Manual Camera Controls
7. 2 x XLR with Manual/Auto Audio Levels
8. SDI, Mini-HDMI, Composite Outputs
9. 2 x SD/SDHC/SDXC Media Card Slot

5. HANDYCAM

TYPE: DIGITAL HD VIDEO

SPECIFICATIONS:

1. External microphone jack
2. Headphone jack
3. Mini Advanced Shoe (proprietary)
4. Threaded lens barrel for attachments (37mm)
5. Sensor: 1/3.2-inch 3.2 Megapixel CMOS
6. Lens speed: F/1.8-3.0
7. Filter Diameter: 37mm
8. Optical Zoom: 12x
9. Image Stabilizer: optical
10. Viewfinder: No
11. LCD Screen: 2.7 inches
12. Headphone Out: Yes
13. Microphone In: Yes
14. Recording media: SDHC memory cards
15. Weight: 380g (without battery)

6. VIDEO MIXER

TYPE: DIGITAL HD VIDEO

SPECIFICATIONS:

POWER

- Nominal Voltage - AC 120/230 V
- Frequency - 50/60 Hz
- Max Power Consumption – 60

DIMENSIONS & WEIGHT

- Width - 16.7 in
 - Depth - 15.7 in
 - Height - 7.8 in
 - Weight - 17.42 lbs
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VIDEO SPECIFICATION

System Format*: HD: 1080/23.98PsF (for 3D only) 1080/59.94i, 1080/50i, 720/59.94p, 720/50p SD: 480/59.94i, 576/50i .

Sampling Frequency: HD: Y: 74.176 MHz, PB/PR: 37.088 MHz (1080/59.94i, 720/59.94p, 1080/23.98PsF) Y: 74.25 MHz, PB/PR: 37.125 MHz (1080/50i, 720/50p) SD: Y: 13.5 MHz, PB/PR: 6.75 MHz

Signal Processing: 4:2:2:4, 12 bit Internal process

AUDIO SPECIFICATION

Sampling Frequency: 48 kHz Quantization: 16 bit for HDMI Input, 24 bit for SDI Input, 20 bit for analog input

Frequency Response: –1.0 dB/1.0 dB at 20 Hz to 20 kHz (digital) –1.0 dB/1.0 dB at 20 Hz to 20 kHz (analog)

Dynamic Range: More than 90 dB at 1 kHz (digital), More than 85 dB at 1 kHz (analog)

THD: Less than 0.05 % at 1 kHz (digital), Less than 0.08 % at 1 kHz (analog)

Cross Talk: Less than –80 dB at 1 kHz, between any two channels (digital) Less than –70 dB at 1 kHz, between any two channels (analog)

Headroom: 20 dB and 18 dB switchable VIDEO INPUT/OUTPUT Analog composite input BNC x 2 sets, 1.0 V [p-p], 75 Ω termination (VIDEO IN):

SDI input: BNC x 4 sets SD serial digital signal: SMPTE259M-C/272M-A and ITU-R BT.656-4 standards

HD serial digital signal: SMPTE292M/296M/299M standards

HDMI input: HDMI connector x 2 sets (Type A connector), incompatible with HDCP Link and VIERA

Link DVI-I input: TMDS single link (incompatible with HDCP), compatible with digital/analog RGB

Reference input: BNC x 2 (with loop-through), 1.0 V [p-p], 75 Ω auto termination Composite signal (NTSC/PAL)

Program (PGM) output: SDI (BNC) x 1 SD serial digital signal: SMPTE259M-C/272M-A and ITU-R BT.656-4 standards HD serial digital signal: SMPTE292M/296M/299M standards DVI-D x 1, TMDS single link (incompatible with HDCP)

7. AUDIO MIXER / RECORDER

TYPE: DIGITAL AUDIO

SPECIFICATIONS:

1. Recording Media : SD (upto 2GB) / SDHC (upto 32 GB)
2. Input A/B : ¼" TS-Jack
3. Connectors : ¼ " TS Jck, Unbalanced
4. Input impedance : 10k or more (Input A- MIC/LINE)
1 M (Input A-Guitar)
5. Nominal Input Level : -10dB V
6. Maximum Input Level : +6dB V
7. Built-in Microphone: Omni directional Condenser X 2
8. Line out Connector: 1/8 (3.5 mm Stereo mini jack
9. USB Connectors: USB Mini B type 4 pin

8. DESKTOP COMPUTER

SPECIFICATIONS

1. Display - Display. 21.5-inch (diagonal) LED-backlit display. ...
2. Processor - 2.3GHz. ...
3. Memory- 8GB of 2133MHz DDR4 memory. ...
4. Storage - 1TB. ...
5. Graphics - Iris Plus Graphics 640. ...
6. Video Support and Camera - FaceTime HD camera. ...
7. Audio - Stereo speakers.
8. Connections and Expansion - Headphone SDXC card slot USB 3 Thunderbolt 3 (USB-C)
Gigabit Ethernet
9. Operating System – Mac OS X

9. STUDIO LIGHT

TYPE: CONTINUOUS BEAM

SPECIFICATIONS:

1. Changeable Light connections
2. Soft box/Umbrella
3. Stand –
 - Weight – 1870g
 - Maximum Height – 9 feet (108 inch)
 - Folded Height – 3.2 feet (38.5 inch)

10. BOOM MICROPHONE

TYPE: UNIDIRECTIONAL

SPECIFICATIONS:

1. Item Weight: 839 gm
2. Package Dimensions: 32.4 x 12.4 x 8 cm
3. Batteries: 1 AA type
4. Type: Mercury Oxide
5. Output impedance: low (50–1,000 ohms), medium (5,000–15,000 ohms) high (20,000+ ohms)

11. HEADPHONE

TYPE: Stereo

SPECIFICATIONS:

1. Type :Over Ear.
2. Dimensions :10 x 6 x 8 inches.
3. Frequency 21 - 18000 Hz.
4. Cable Length 3 m.
5. Product Weight:215 g.

12. BOOM STICK

TYPE: Foldable

SPECIFICATIONS:

1. Four Sections, Three Stages
2. 3.8' to 10' Extension Range
3. Extension Limit Markings
4. Thick-Wall Aluminum Tube Construction
5. Baby Pin Mounting Interface
6. For Select Sunbounce Products
7. Rubberized Hand-Holding Pads
8. Rubber End Cap