

**OFFICE OF THE ADDITIONAL DIRECTOR GENERAL OF POLICE, CID,  
ASSAM, ULUBARI, GUWAHATI.**

**NOTICE INVITING TENDER**

NIT Memo No. E/VII/111-14/CID/4331 Dated Guwahati, the 6<sup>th</sup> October, 2017

Sealed tender on plain papers **affixing (in Technical Bid) non refundable court fee stamps of Rs.8.25 (Rupees eight and Paise twenty five only)** is invited for Supply of various equipments for Narcotic cell of CID as per Technical specifications enclosed herewith as **Annexure.**

**Terms & condition:**

1. The tender addressed to the Addl. Director General of Police (CID), Assam, B.K. Kakoti Road, Ulubari, Guwahati, – 781007 must reach the undersigned up to **2.00 P.M.** on **30/10/2017**. No tender received thereafter will be accepted and the undersigned shall not be responsible for any delay in submission of tender. All tenders received after the due date & time shall be returned to the respective Vendor without opening the same. Intending Vendors shall submit tenders in the box kept in front of the office chamber of Addl. Director General of Police (CID), Assam, Ulubari, Guwahati. The tender Box will be opened on the same day at **3.30 PM** or on subsequent working day at **11.30 AM** if it falls on Govt. holiday in presence of Vendors or their authorized representative present at that time.

Tenders can also be submitted by post but the Deptt. shall not be liable for any postal delays. No Tender will be accepted after the due date and time.

2. Intending vendors may collect tender paper / documents on payment of Rs.500/- (Rupees five hundred) only through uncrossed IPO / BANK DRAFT payable in favour of the undersigned on any working day during office hours up to **25/10/2017**. They may also download the NIT from the Assam Police website [www.assampolice.gov.in](http://www.assampolice.gov.in) or [www.tenders.gov.in](http://www.tenders.gov.in). In that case the vendor will have to deposit the cost of tender documents through uncrossed IPO / Bank draft at the time of submission of tender.

3. Vendors shall submit BIDS in two parts in separate sealed envelopes i.e. **TECHNICAL BID** and **PRICE BID**. Both these bids shall further be put in an envelope before putting in tender box, duly sealed. The vendors shall also superscribe on the individual envelope.

4. All papers submitted by Vendor should be serially numbered and signed. An index of documents submitted giving page number should also be submitted by the Vendor under his signature.

5. **Validity:** Bids must be valid for acceptance for a minimum period of 365 (three hundred sixty five) days from the bid closing date.

6. **Earnest Money deposit (EMD)**

(i) Earnest Money of Rs.50,000/- in the Form of NSC / FDR of Bank / Bank Draft/ Irrevocable Bank Guarantee with **validity for at least 12 (twelve) months** in the name of the Proprietor / Partner or shareholder of the firm concerned duly pledged in favour of the undersigned. Earnest Money will be released after finalization of Tender. Earnest money deposited with the tender shall bear no interest. The Earnest Money will be liable to be forfeited, if the vendor withdraws or amends or impairs or derogates from the tender in any respect within the period of validity. Bids received without EMD will summarily be rejected.

(ii) Any vendor who has claimed exemption of Earnest Money Deposit and Security deposit shall furnish a certified copy of such order indicating therein clearly that they are exempted.

7. **Bid Evolution criteria :**

Bids conforming to the terms and conditions stipulated in the bid document subject to qualifying the Bid Selection Criteria will be considered for further evaluation.

8. **Bid selection Criteria :**

- (i) Court fees stamp
- (ii) Tender Fee
- (iii) Earnest Money Deposit amount.
- (iv) Proof of dealership from the Original Equipment Manufacturer (OEM) or his authorised agent in India. In case of submission of bids by OEM itself, then sufficient proof / self declaration has to be enclosed.

Vendor failed to fulfill the above criteria will be out rightly rejected for further evaluation and will be considered as non responsive.

Vendors fulfilling the above criteria will be considered for technical evaluation. The vendor will be considered for technical evaluation along with agreement to terms and condition and submission of relevant documents fulfilling the eligibility criteria for further evaluation by purchaser.

9. **Other Information / Documents :**

All Vendors must submit relevant documents to support their eligibility criteria along with the following documents (in Technical Bid) complete in all respect and duly self attested.

- (i) Permanent Account Number.
- (ii) GST Registration Certificate.
- (iii) Income Tax Return for last two years i.e. 2015-16& 2016-17.  
(up to 31-03-2017)
- (iv) Passport size photograph of the authorized signatory.
- (v) Bank Account No. with name of Bank, type of account, Bank address..
- (vi) All other supporting documents as required for technical evaluation in the tender.

10. The short listed Vendors will have to arrange for the Technical and / or Field / practical demonstration of the Equipment at their own cost at the place and date to be fixed by the authority. The bids of the firms / vendors who do not arrange / participate in the demonstration as above will be treated as rejected.

11. Commercial bids of only those vendors will be opened who will be **technically qualified**.

12. Vendors should furnish detailed Technical Specifications of the product along with **MAKE, MODEL, MANUFACTURERS CATALOGUE / LEAFLET** as well as sub-assemblies, if any and clearly indicating the Warranty period and provision of annual Maintenance Contract. Vendor will specify after sales service and support mechanism clearly in the Bid. Frequency of routine maintenance during warranty period and break down maintenance should also be clearly specified.

13. The specifications laid down in the NIT are the minimum configuration of the systems / items. Systems / items of better / higher configuration or better technology may be quoted for consideration.

14. Vendors quoting Rates as Authorised Dealer / Authorised Distributor etc. must submit authority letter for the item (s) quoted from their manufacturers.

15. Tender should be clearly typed or written and the rates (net) should be written both in figure and words. There should not be any over writing, erasure in the rates. In case of over writing or erasure or any such alteration, the item shall be rejected outright.

16. Failure to fulfill the terms and conditions of the tender notice may lead to rejection of the bid without any reference to the Vendor and no correspondence will be entertained in this regard.

17. **CORRECTION OF Error:** Vendors are advised to exercise adequate care in quoting the prices. No excuse for corrections in the quoted figures will be entertained after the commercial proposals are received by CID Assam. Arithmetic errors in proposals will be corrected as follows: In case of discrepancy between the amounts mentioned in figures and in words, the amount in words shall govern. The amount stated in the proposal from, adjusted in accordance with the above procedure, shall be considered as binding, unless it causes the overall proposal price to rise, in which case the proposal price shall govern.

18. The rates once quoted will be final and no request for change/ alteration thereafter will be entertained thereafter. The rates should be quoted F.O.R. destination as stated in 1<sup>st</sup> para of the NIT and should be inclusive of packing, transportation, all accessories and other ancillary expenses. GST should be shown separately.

19. Rates quoted should be valid for 1 (one) year with effect from the date of submission of bid with a provision for further extension of finally approved. The rates to be quoted in Indian currency and payment shall be made to successful vendors in Indian currency.

20. Once the rates offered in the quotation are accepted, no enhancement will be entertained at any circumstances and Vendors will be liable to supply the items at the rate accepted by the CID, Assam Police. Failure to supply the items at the accepted rates will entail the offer being cancelled and the security Money will be forfeited to the Govt. of Assam.

21. For imported items rates should be indicated separately i.e. rates with Custom duty and rates without Custom Duty.

22. All pages of the tender document together with terms and conditions and the documents enclosed with the tender shall be signed by the authorized signatory. Acceptances signing of the Notice Inviting Tender and the detailed terms and conditions in the format of certificate enclosed shall be deemed as the final acceptance of these terms and conditions.

23. Tenders accompanied by all required documents be submitted under sealed cover and distinctly and conspicuously marked as "Supply of various equipments for Narcotic cell of CID, Assam". The outer and inner envelopes mentioned above shall indicate the name and address of the vendor/agency. Failure to mention the address on the outside of the envelope could cause a proposal to be misdirected or to be received at the required destination after the deadline.

24. **Modification and Withdrawal of Proposals :**

No proposal may be withdrawn in the interval between the deadline for submission of proposals and the expiration of the validity period specified by their bid during the validity period.

25. (a) The approved suppliers will have to execute the orders of supply within the time frame specified in the supply order.

26. **Inspection:** The inspection parameters shall cover the following:

Inspection of goods on receipt at consignee's / user's site: The designated officer / Committee authorized by purchaser will do the inspection for sample checking to ensure that the delivered goods are same which was quoted in the bid. Any deviation to the bid proposal

with the delivered items will be rejected and Vendor will supply the proposed items afresh with own cost and any delay for timeline will be calculated as per SLA violation penalty.

27. The earnest Money of the unsuccessful Vendors will be released to them after finalization of the tenders.

28. The Addl. Director General of Police, CID , Assam reserves the right not to place any order even after execution / acceptance of the formal contract agreement and for which no claim or compensation whatsoever will be entertained.

29. The Director General of Police, Assam may rescind forthwith the contract in writing if:

(a) A contractor assigns or lets any contract in respect of any other contract entered into with the Government.

(b) Vendor or his agent or servants are found guilty of fraud of this contract or any other contract.

(c) Declines, neglect or delays to comply with demand / requisition or in any other way fails to perform or observe any condition of or all conditions of the Contract agreement.

(d) The Vendor having been Blacklisted or debarred by any Govt./ Semi-Govt. organizations on previous occasions for indulging in illegal, unethical, corrupt etc. practices.

30. If the successful Vendor willfully neglects, fails to perform or observe any or all conditions of the contract agreement or attempts to cheat or indulge in foul practices, the Addl. Director General of Police, (CID) Assam impose a ban upon such Vendor (s) for future business within the Department.

31. In case any manufacturing defect in the articles supplied is detected or any damages to the equipment during transit/handling before final acceptance by the department, the Addl. Director General of Police, (CID) Assam will be at the liberty to return the stores at the expense of the suppliers who in turn will replace the stores without any financial liability to the department. Else the security deposit will be forfeited to the Govt.

32. The security deposit (**EMD**) will be returned to the selected vendor after signing the agreement and submission of performance bank Guarantee (PBG) for the duration of contract.

33. **No ADVANCE PAYMENT** will be made to the approved supplier.

34. Security @ 5% of the total value of supply order has to be deposited by the supplier in the form of NSC/FDR of Bank/ Irrevocable Bank Guarantee in favour of Addl. Director General of Police (CID), Assam at the time of signing of Deed of Agreement. This deposit will be released in due course.

35. It will be imperative on the part of the supplier to fully associate the representatives of the purchaser in the maintenance of the system.

36. The vendor must obtain certificate/declaration from Original Equipment manufacturer confirming that the availability of spare, service and support for the system to be guaranteed by them for a minimum period of 10 (ten) years from the date of agreement.

37. In case the successful Vendor (s) is found to have been involved in breach of any condition (s) at any stage during the warranty / guaranty period the legal action as per rules / laws shall be initiated against him/them. In that case, Security Deposits will be forfeited, besides debarring / Black listing the Vendor for at least 5 years from any further dealing with Assam Govt./ Police.

38. Goods accepted by the Purchaser at initial inspection and in final inspection in terms of the contract shall in no way dilute purchaser's right to reject the same later, if found deficient in terms of the quality.

### **39. Liquidated Damages:**

In the event of the Vendor's failure to submit the Guarantees and Documents and supply the materials as per schedule specified in this NIT, CID, Assam Police may at its discretion withhold any payment until the completion of the contract. It may also deduct from the Vendor as agreed, liquidated damages to the sum of 0.5% of the contract price of the delayed services, material delivery as per timeline (as detailed in this NIT) for every week of delay or part of a week, subject to the maximum value of the Liquidated Damages being not more than 10% of the value of delayed services. This right to claim any liquidated damages shall be without prejudice to other rights and remedies available to CID, Assam Police under the contract and law.

40. Risk of transportation will be borne by the Vendor themselves.

### **41. Payment Milestone:**

#### **Implementation Phase:**

- a) 90% after successful Delivery, installation & commissioning and final acceptance of stores.
- b) 10% after completion of 1(one) year warranty.

42. All the legal proceedings arising out of any dispute between the parties shall be settled within the territorial; jurisdiction of the Courts in Guwahati.

Sd/-

Superintendent of Police, CID,  
Assam, Ulubari, Guwahati.

Memo No.E/VII/111-14/CID/4331

Dated Guwahati, the 6<sup>th</sup> October, 2017

#### **As directed, copy forwarded to:**

1. The Addl. Director General of Police (M & L), Assam, Guwahati for favour of kind information.
2. The Addl. Superintendent of Police (C), Assam Police HQ, Ulubari, Guwahati for information and necessary action. He is requested to upload the NIT in the official website of Assam Police [www.assampolice.gov.in](http://www.assampolice.gov.in) and the Indian Government Tenders Information System [www.tenders.gov.in](http://www.tenders.gov.in).
3. The C.P.R.O, Assam Police Headquarters, Guwahati for information and necessary action. He is requested to give wide publicity of the NIT by publishing the caption of the NIT in two National Daily Newspapers and two Local Daily Newspapers and to furnish to the undersigned paper cuttings of the published NIT.
4. The Office Notice Board.

Sd/-

Superintendent of Police, CID,  
Assam, Ulubari, Guwahati

## ANNEXURE

### NIGHT VISION

#### TECHNICAL SPECIFICATIONS

Magnification X : 6X (minimum)  
Field of View, deg : 8°  
Focus range, m : 25-∞  
Inter-papillary distance : 55-71 (with manual adjustment)

#### IMAGE INTENSIFIER TUBE

Type : Gen-III  
Resolution, lp/mm : 64-72 lp/mm (min)

#### POWER

Power supply : Two AA size 1.5-V alkaline or Li-Ion Rechargeable  
Indication (inside field of view) : "IR-on" and low-voltage indicators

#### MECHANICAL

Weight, (include batteries) : 1100 grams.  
Dimensions, mm : 305x150x90  
Operating Temp., °C : -30 to +70

#### DETECTION RANGE

Human Target : 600 m  
Vehicle Target : 1,300 m

(Under star-light condition, no-moon)

### 5KVA ONLINEUPS

#### TECHNICAL SPECIFICATIONS

##### INPUT

Phase :Single  
Voltage Range : 160V-280V  
Power Factor :0.99  
Frequency : 45Hz-55Hz

##### OUTPUT

Voltage/Regulation : 220/230/240V ±1%  
Full Load Current : Rated at 0.9P.F  
Nominal Frequency : 50Hz ± 0.5Hz  
Power Factor :0.9 P.F  
Overload : 125 % for 10 minutes & 150% for 1 minute  
Static Voltage Regulation : ± 6% for 50% step load change  
Total Harmonic Distortion : < 3% for Linear < 5% for Non Linear load  
Crest Factor :4:1

## **PROTECTIONS**

Charger :Input circuit braker,Charger over voltage,Charger over current limit  
Battery :Battery low cut off/Current limit,HRC fuse in battery path,Battery over charger trip  
Inverter :Output over voltage/Over load trip, Current limit,Short circuit

## **DISPLAY**

Indications :Main on,UPS On,UPS Trip,UPS OV/UV,Battery Low Trip,  
Display :LCD Display for checking Input and Output Parameters

## **ENVIRONMENT**

Operating Temperature Range :0° C to 55° C  
Relative Humidity : 95% Non condensing  
Maximum Operating Altitude without Derating : 3000 meters  
Acoustic Noise : < 55db at 1metre distance

## **FAX**

### **TECHNICAL SPECIFICATIONS**

Facsimile (Base)

Compatibility : G3  
Paper Handling : A4/Ltr  
Transmission Speed\*2 (sec) : 15  
Junk Fax Prohibitor (stations) : ●  
Thermal Paper : ●

### **INTEGRATED TELEPHONE**

Dialing Mode (Default) : ● (Tone)  
Phonebook (stations) : 100

### **POWER & DMENSIONS**

Power Consumption

Standby (W) :1.5  
Maximum (W) : 110

Power Supply  
Voltage (V) : 220 – 240  
Herz (Hz) : 50/60

WxDxH (mm) Weight (g) : 352 x 224 x 121 3,000

# MULTIMEDIA PROJECTOR

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>		100-240 V AC, 50/60 Hz
<b>Power consumption</b>		218 W (0.5 W when STANDBY MODE set to ECO,* <sup>1</sup> 6.0 W when STANDBY MODE set to NORMAL.* <sup>2</sup> )
<b>DLP™ chip</b>	<b>Panel size</b>	14 mm (0.55 in) (4:3 aspect ratio)
	<b>Display method</b>	DLP™ chip x 1, DLP™ projection system
	<b>Pixels</b>	786,432 (1,024 x 768) pixels
<b>Lens</b>		1.1x Manual zoom (1.95-2.15:1 throw ratio), manual focus, F 2.41-2.53, f=21.8-24 mm
<b>Lamp</b>		190 W UHM lamp
<b>Lamp replacement cycle (Normal / Eco1, Eco2 / AUTO)</b>		4,500 / 6,000 / 10,000 hours* <sup>3</sup>
<b>Screen size (diagonal)</b>		0.76-7.62 m (30-300 in), 4:3 aspect ratio
<b>Brightness*<sup>4</sup></b>		3,000 lm
<b>Center-to-corner uniformity*<sup>4</sup></b>		80 %
<b>Contrast*<sup>4</sup></b>		4,000:1 (full on/full off, During RGB signal input, Color mode: Dynamic, Lamp power: Normal)
<b>Resolution</b>		1,024 x 768 pixels (Input signals that exceed this resolution will be converted to 1,024 x 768 pixels.)
<b>Scanning frequency</b>	<b>HDMI</b>	fH: 15-91.1 kHz, fV: 24-85.1 Hz, dot clock: 25-162 MHz
	<b>RGB (analog)</b>	fH: 15-91.1 kHz, fV: 24-85.1 Hz, dot clock: 162 MHz or lower
	<b>YPbPr (YCbCr)</b>	fH: 15.75 kHz, fV: 60 Hz [480i (525i)] fH: 31.50 kHz, fV: 60 Hz [480p (525p)]
	<b>Video</b>	fH: 15.75 kHz, fV: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60], fH: 15.63 kHz, fV: 50 Hz [PAL/PAL-N/SECAM]
<b>Optical axis shift</b>		10:-1.5
<b>Keystone correction range</b>		Vertical: ±40° (manual)
<b>Installation</b>		Ceiling/floor, front/rear
<b>Terminals</b>	<b>HDMI IN</b>	HDMI 19-pin x 1 (Deep color, compatible with HDCP), audio signal: linear PCM (Sampling frequency: 48 kHz, 44.1 kHz, 32 kHz)
	<b>COMPUTER IN</b>	D-sub HD 15-pin (female) x 1 [RGB/YPb(Cb)/Pr(Cr) x 1]
	<b>MONITOR</b>	D-sub HD 15-pin (female) x 1



<b>OUT</b>	
<b>VIDEO IN</b>	Pin jack x 1
<b>SERIAL IN</b>	Mini DIN 3-pin (female) x 1 for external control (RS-232C compliant)
<b>AUDIO IN</b>	M3 x 1 (L-R x 1)
<b>AUDIO OUT</b>	M3 x 1 (L-R x 1) for output (variable)
<b>Built-in speaker</b>	4 x 2 cm oval shape x 1, output power 2 W (monaural)
<b>Cabinet materials</b>	Molded plastic (PC)
<b>Dimensions (W x H x D)</b>	286 x 100.6* <sup>5</sup> x 192 mm (11-1/4 x 3-31/32 x 7-9/16 in)
<b>Weight</b>	Approximately 2.3 kg (5.1 lbs)* <sup>6</sup>
<b>Operation noise*<sup>4</sup></b>	34 dB (Lamp power: Normal), 29 dB (Lamp power: Eco)
<b>Operating temperature</b>	5-40°C [41-104°F] (Less than 750 m [2,500 ft] above sea level), 5-35°C [41-95°F] (between 750 and 1,500 m [2,500 ft and 5,000 ft] above sea level), 5-30°C [41-86°F] (between 1,500 and 3,000 m [5,000 ft and 10,000 ft] above sea level)
<b>Operating humidity</b>	20-80 % (no condensation)
<b>Supplied accessories</b>	Power cord (1.8 m* <sup>7</sup> ) x 1* <sup>8</sup> , wireless remote control unit x 1, lithium coin cell battery x 1, computer cable (1.8 m) x 1

## **SEARCH LIGHT**

### **TECHNICAL SPECIFICATIONS**

<b>Dimensions</b>	: 160mm dia x 250 mm length fitted with specially designed deep parabola reflector
<b>Lamp</b>	: 50/55 watt, 12 volts halogen lamp
<b>Power</b>	: 12 volts & 7AH rechargeable maintenance free battery. Suitable for 35w / 55w Halogen Lamp.
<b>Operating range</b>	: of about 1000 mt. (i.e. 1 KM)
<b>Beam distance</b>	: of 350 mt. So as to detect group of persons .
<b>Front glass</b>	: Shock resistance front glass.
<b>Charger</b>	: SMPS inbuilt charger working on from 90v to 270v, 50Hz.
<b>Emergency</b>	: Lighting Effect for INDOORS user.
<b>Modes</b>	: Timer, Manual Flasher and Continuous Mode.
<b>Indicators</b>	: DC blown fuse indicator is provided on the panel. : Advance low battery status indicator is also provided.

## **DIGITAL VIDEO CAMERA**

### **TECHNICAL SPECIFICATIONS**

#### **SENSOR**

<b>SENSOR TYPE</b>	: 1/ 5.8 type (3.1 mm) back-illuminated Exmor R® CMOS Sensor
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EFFECTIVE PIXELS (VIDEO) :approx. 2.29 Megapixels (16:9)2

EFFECTIVE PIXELS (STILL IMAGE): approx. 2.29 Megapixels (16:9)/approx. 1.71 Megapixels (4:3)

## PROCESSOR

IMAGE PROCESSOR :BIONZ X™ image processor

## LENS

LENS TYPE :ZEISS® Vario-Tessar®

LENS COVER :Manual

APERTURE :F1.8-F4.0

FOCAL DISTANCE :f = 1.9-57.0 mm

FOCAL LENGTH (35 MM EQUIVALENT) (VIDEO) : f=26.8–804.0 mm (16:9)2

FOCAL LENGTH (35MM EQUIVALENT) (STILL IMAGE): f=26.8–804.0 mm (16:9),  
f=32.8–984.0 mm (4:3)

MINIMUM FOCUS DISTANC :approx. 1 cm (Wide), approx. 80 cm (Tele), approx. 0.40  
(Wide), approx. 31.5 (Tele)

## ZOOM

OPTICAL ZOOM: 30x

## LCD

SCREEN TYPE : 6.7 cm (2.7 type) Clear Photo LCD display (230 400 dots) Wide (16:9)

## IMAGE STABILIZATION

IMAGE STABILIZATION TYPE :Optical SteadyShot™ image stabilisation w/  
Intelligent Active mode (Wide to Tele)

## FOCUS

FOCUS TYPE : Contrast AF

FOCUS MODE : Auto/Manual (Menu)

FOCUS AREA : Full range Focus

## EXPOSURE

LOW LUX MODE : Yes

AUTO IRIS CONTROL :F1.8 - F10

BACKLIGHT COMPENSATION :Yes (Auto)

GAIN CONTROL : Auto

MINIMUM ILLUMINATION : Standard: 6 lux (1/25 Shutter Speed), Low Lux:  
3 lux (1/25 Shutter Speed)

## SHUTTER SPEED

AUTO CONTROL RANGE : 1/6–1/10000

STANDARD: 1/25–1/10000

MANUAL IRIS CONTROL(PHOTO MODE): 1/25–1/10000

## STORAGE MEDIA

MEDIA TYPE : XAVC S HD: Micro SDXC Memory Card (Class 10 or Higher),

AVCHD, Still : Memory Stick Micro™ (Mark 2), Micro SD/SDHC/SDXC Memory  
Card (Class 4 or Higher)

## RECORDING

RECORDING FORMAT (VIDEO) : AVCHD format ver. 2.0 compatible: MPEG4-  
AVC/H.264, MP4: MPEG-4 AVC/H.264,  
XAVC S format MPEG4-AVC/H264

RECORDING FORMAT (STILL IMAGE): JPEG (DCF Ver. 2.0, Exif Ver. 2.3, MPF  
Baseline-compliant)

## AUDIO

MICROPHONE : Built-in Zoom Microphone

AUDIO RECORDING FORMAT : Dolby Digital 2ch Stereo, Dolby Digital Stereo Creator10, MPEG-4 AAC-LC 2ch11, MPEG-4 Linear PCM 2ch (48 kHz/16 bit)12

## ADVANCED FEATURE

SCENE SELECTION: Auto / Night Scene / Sunrise & Sunset / Fireworks /Landscape /Portrait / Spotlight / Beach / Snow

## PLAYBACK

HIGHLIGHT MOVIE MAKER : Yes 10, Highlight BGM (Pre-installed 6 music files, Music transfer compatible)13  
MOTION SHOT VIDEO : Yes

## PROJECTOR

LIGHT OUTPUT : Up to 13 lumen  
PROJECTED IMAGE SIZE : 10 type - 100 type  
ENDURANCE (BATTERY LIFE) : approx. 1h10min(Supplied Battery)

## WIRELESS FUNCTION

WI-FI® : Yes (Wi-Fi Compatible, IEEE 802.11b/g/n (2.4 GHz band) )15

## POWER

BATTERY TYPE :NP-BX1  
CHARGE ON CAMCORDER(CHARGING: Yes (approx. 2 h 35 min)19  
TIME WITH SUPPLIED BATTERY)  
USB CHARGING : DC 5 V 800 mA

## SIZE & WEIGHT

DIMENSIONS (W X H X D) : approx. 59.0 mm (W) × 59.5 mm (H) × 128.0 mm (D)2021, approx. 2.38 (W) × 2.38 (H) × 5.13 (D)2021

WEIGHT (MAIN UNIT ONLY) : approx. 210 g, approx. 7.4 oz  
WEIGHT (INCLUDING SUPPLIED BATTERY) :approx. 235 g (NP-BX1)22, approx. 8.3 oz (NP-BX1)22

ACCESSORIES :Rechargeable Battery Pack(NP-BX1) (1)23, AC Adaptor (1)23, USB Connection Support Cable (1)23, HDMI (micro) Cable (1)23, Operating Guide (1)23

## DIGITAL STILL CAMERA

### TECHNICAL SPECIFICATIONS

Sensor

SENSOR TYPE : 1/2.3 type (7.76 mm) Super HAD CCD™  
NUMBER OF PIXELS (EFFECTIVE) : Approx. 20.1 Megapixels

### LENS

LENS TYPE : Vario-Tessar 8 elements in 7 groups(including 5 aspheric elements)

F-NUMBER (MAXIMUM APERTURE): F3.3 (W) – 6.3 (T)

FOCAL LENGTH : f=4.5-36mm

FOCUS RANGE : iAuto:AF(W:approx. .5cm(0.16 ft.) to infinity, (FROM THE FRONT OF THE LENS)T:approx. 150cm(4.92 ft.) to infinity), Program Auto:AF(W:approx. .5cm(0.16 ft.) to infinity, T:approx. 150cm(4.92 ft.) to infinity)

OPTICAL ZOOM : 8x(Optical Zoom during movie recording)

DIGITAL ZOOM (STILL IMAGE) : Up to 64x (VGA)

DIGITAL ZOOM (MOVIE) : Precision Digital Zoom Approx. 32x  
FOCAL LENGTH (F=)  
35MM FORMAT EQUIVALENT : Still images: 4:3: f=26-130mm, 16:9: f=28-224mm, Movies: 16:9: f=28-224mm (SteadyShot Standard), f=28-314mm (SteadyShot Active), 4:3: f=34-272mm (SteadyShot Standard), f=34-381mm (SteadyShot Active)

## **LCD**

SCREEN TYPE:6.7cm(2.7-type)(4:3) / 230,400 dots / ClearPhoto / TFT LCD

## **CAMERA**

STEADYSHOT : Still images: Optical, Movies: Active Mode, Optical type with electronic compensation  
EXPOSURE COMPENSATION : +/- 2.0 EV, 1/3 EV step  
SHUTTER SPEED : iAuto (2 - 1/1, 600), Programme Auto (1 - 1/1, 600) (\*3)  
CONTINUOUS SHOOTING SPEED (MAXIMUM) (WITH MAX. SELF-TIMER : Off, 10sec., 2sec., portrait1, portrait2  
MINIMUM ILLUMINATION : Auto: 22.0 lux (Shutter Speed 1/30)

## **FLASH**

FLASH MODE : Auto, Flash On, Slow Synchro, Flash Off, Advanced Flash  
FLASH RANGE : ISO Auto: approx. 0.3m to 2.8m (W), approx. 1.5m to 2 m (T), ISO3200: up to approx. 5.3m (W), approx. 3.3m (T)

## **RECORDING**

RECORDING FORMAT : Still images: JPEG, Movie: MP4  
MOVIE RESOLUTION : MP4: 9 M Fine (1,280 x 720/30fps), 6 M STD (1,280 x 720/30fps), 3 M VGA (640 x 480/30fps)  
INTERNAL MEMORY : Approx. 27 MB

## **INTERFACE**

INPUT AND OUTPUT TERMINALS: Multi (AV/USB), Hi-Speed USB (USB2.0)  
WI-FI® CONNECTIVITY

## **POWER**

POWER SOURCE : DC3.6V (supplied battery)/DC5.0V (supplied AC adaptor)  
BATTERY SYSTEM : Rechargeable Battery Pack NP-BN  
POWER CONSUMPTION (CAMERA MODE) :Approx. 1.2W

## **OTHERS**

DIMENSIONS (W X H X D) (CIPA) :Approx. 93.1 x 52.5 x 22.5 mm  
WEIGHT (CIPA): Approx. 104 g (Body only), Approx. 120 g (With battery and media)

ACCESSORIES : Rechargeable Battery Pack NP-BN\*11, Multi USB cable, Wrist Strap, Instruction Manual, AC Power Code

## **INTERACTIVE SMARTWHITEBOARD**

## **TECHNICAL SPECIFICATIONS**

Size : 78" diagonal LxH - (6x4 feet)

Whiteboard Surface : Ceramic High luminance nanotechnology, anti-scratch, anti glare surface

Aspect Ratio : 4:3

Touch Technology : DVT (Digital Vision Touch) Optical Sensors

Touch type : Finger touch & touch with any opaque object

Multi-touch capability : Yes

Touch accuracy : 0.1 mm

Touch response time : < 8ms

Resolution : 9600 x 9600

DPI : 600

Power supply: USB (<5V/500mA)

Operations Temperature : 0 to 60 degree Celsius; Humidity: 0% to 95%

Operating system Windows : XP/2003/Vista/7/10, Linux, Android, MAC 10.6/10.7

Min. system configuration : Intel PIV or above processor, 512MB RAM, 1GB free disk space, one projector (short throw projector recommended for best experience)

Accessories : Smart Whiteboard Software, USB Cable, Smart Pens, Wall mount bracket.

## **PHOTOCOPIER**

### **TECHNICAL SPECIFICATIONS**

Engine speed (max) : 20ppm

Paper size : Max A3 (11" x 17").min. A6(5 ½ " x 8 ½")

Paper capacity : Max 1850 sheets

First copy time : 6.4 seconds for A4 (6.5 seconds for 8½" x 11")

Memory :Std 64 MB.Max 192 MB

### **COPIER**

Continuous copy : Max.999 copies

Resolution : 600 x 0600dpi

### **PRINTER**

Interface : USB 2.0

Resolution : 600 x 600dpi

### **COLOUR SCANNER**

File Formats : TIFF,PDF,JPEG,BMP

# **DESKTOP COMPUTER**

## **TECHNICAL SPECIFICATIONS**

### **System Features**

- Cache Memory : 2 MB
- Processor Name : Pentium Quad Core
- Processor Brand : Intel
- Processor Frequency : 1.6 GHz with Turbo Boost Upto 2.64 GHz
- Operating System : Free DOS
- Processor Model : J3710

### **Memory**

- Memory Speed : 1600 MT/s
- Memory Slots : 1 x DDR3 Slot
- System Memory : 4 GB DDR3
- Memory Detail : 1 x 4 GB

### **Display**

- HD : Yes

### **Graphics**

- Integrated Graphic Processor : Intel HD Graphics

### **Webcam**

- Built-in Webcam : Yes

### **Storage**

- Storage Interface : SATA
- Hard Drive : 1 TB

# **DESKJET PRINTER**

## **TECHNICAL SPECIFICATIONS**

### **GENERAL**

Print technology	HP Thermal Inkjet
Duty cycle (monthly, letter)	Up to 1000 pages
Duty cycle (monthly, A4)	Up to 1000 pages
Print speed black (normal, letter)	Up to 7.5 ppm
Print speed black (normal, A4)	Up to 7.5 ppm

### **SCAN**

Scan resolution, optical	Up to 1200 dpi
Bit depth	24-bit
Scan technology	Contact Image Sensor (CIS)

### **COPY**

### **PAPER HANDLING**

Paper trays, standard	1
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### **PAPER MEDIA**

Media weight, recommended	75 g/m <sup>2</sup>
<b>MACHINE DIMENSIONS &amp; WEIGHT</b>	
Package weight	4.48 kg
<b>CABLE INCLUDED</b>	
Accessories	Yes, 1 USB 1.5 m Cable
<b>ENVIRONMENTAL</b>	
Operating temperature range	5 to 40°C
Operating humidity range	15 to 80% RH (non-condensing)

## **COMPUTER TABLE**

### **TECHNICAL SPECIFICATIONS**

Material	: Wooden Melamine.
Wood Style	: Panel
Panel Type	: Melamine veneering,
Size	: 120*60*75cm
Color	: Maple

## **OFFICE TABLE**

### **TECHNICAL SPECIFICATIONS**

Material	: MFC (Melamine finished chip board) Wooden
Wood Style	: Panel
Panel Type	: Melamine
Top thickness	: 27mm
Size	: W1600*D750*H730
Accessories	: Removable cabinet, computer host rack

## **CHAIRS**

### **WHITE DISPLAY BOARD**

#### **TECHNICAL SPECIFICATION**

- ❖ White ceramic surface for dry wipe markers
- ❖ Ceramic enameled steel surface
- ❖ Scratch resistant, no ghosting
- ❖ Framed in double sided curved Astra section to give good strength
- ❖ CHROME PLATED plastic corners-good aesthetics
- ❖ Chrome plated metal corner brackets for easy fixing on the wall in landscape or portrait
- ❖ Fixing screws and anchor plugs provided
- ❖ Dimensions 600 x 1200 in mm