

**All India Institute of Medical Sciences  
Ansari Nagar, New Delhi**

Quotation may be sent in the sealed envelope to reach the Principal Investigation, Virtual Classroom Project, Department of Pathology, Room No. 1051, Ansari Nagar, AIIMS, New Delhi -29 before 5 P.M. on 10<sup>th</sup> January 2012.

(Dr Manoj K Singh)  
Project Investigator  
Dept. of Pathology

## SPECIFICATION FOR (DVCAM)

1	<b>Lens</b>	12:1 variable speed F=6.0 to 72.0 mm
2	<b>Focus</b>	Auto/manual (ring/infinity/one push auto)
3	<b>Imaging Device</b>	Three 1/3 inches or more, type CCDs, gross 450,000 pixels/effective 400,000 pixels or more (PAL) progressive/interface scan.
4	<b>White balance</b>	Auto/one-push/outdoor (5800K)
5	<b>Shutter speed</b>	1/3, 1/1000 second or better
6	<b>Exposure</b>	Auto/manual
7	<b>Gain</b>	0 to 18db
8	<b>Horizontal resolution</b>	530 or more TV lines
9	<b>Viewfinder</b>	180,000 or more dot black & white LCD Horizontal resolution. 500 TV lines or more
10	<b>Auto signal Rec. Playback</b>	Up to 48 kHz/16-bit  Upto to 48 kHz/16-bit
11	<b>Recording Format-DVCAM</b>	Memory Stick or Flash Memory or HDD
12	<b>Recording Media</b>	Memory Stick or Flash Memory or HDD
13	<b>Recording time</b>	Minimum 40 minutes recording facility
14	<b>Video signal</b>	CCIR standard, PAL color system

### CONNECTORS

A	<b>Video in/out</b>	RCA pin x 1
B	<b>Audio in/out</b>	RCA pin x 2
C	<b>S-Video in/out</b>	Mini-Din 4-pin x 1
D	<b>Audio IN</b>	XLR 3 pin female x 2
E	<b>iLink (DV IN/OUT)</b>	4-pin x 1

F	LAN K	Stereo mini jack
G	Headphone	Stereo mini jack
H	<b>Quote Separately for the Memory Stick or Flash Cards and other optional Accessories</b>	
I	Warranty	One year or more as provided by principal = quote separately additional three years = quote separately for additional accessories

(Dr A.K. Dinda)  
Prof. & Chairman  
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(Dr Geetika Singh)  
Member  
SRO, Dept. of Pathology

(Mr Sanjay Gupta)  
Member  
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Research Section

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Technical Specifications for Non Liner Video Editing System      Number: 1

Part	Specification
Computer	Mac Based
Processor	3.1GHz quad-core Intel Core i5 processor with 6MB shared L3 cache; Turbo Boost dynamic performance up to 3.1GHz; Hyper-Threading for up to eight virtual cores
Memory	8GB or more (two 2GB SO-DIMMs) of 1066MHz DDR3 SDRAM; extendable up to 16GB
HDD	1TB 7200-rpm Serial ATA hard drive
Display	27 inch display Resolution - 2560 by 1440 pixels, 16:9 aspect ratio
	Millions of colors at all resolutions
	Typical viewing angle: 178° horizontal; 178° vertical or better
	Typical brightness: 375 cd/m2 or better
Mounting	Articulating arm and wall mount
Graphics and video support	AMD Radeon HD 6970 with 1GB of GDDR5 memory. Mini Display Port output port with support for DVI, VGA, and dual-link DVI Support for input from external Display Port sources Support for extended desktop and video mirroring modes
Audio	Built-in stereo speakers
	Two internal 17-watt high-efficiency amplifiers
	Headphone/optical digital audio output , Audio line in/optical digital audio input
	Built-in microphone, Support for Apple Stereo Headset with microphone
Keyboard	Wireless Keyboard
Mouse	Wireless Magic Mouse
Connections and expansion	One FireWire 800 port; 7 watts with connector for fire wire 400 Port Four USB 2.0 ports and SD card slot
Communications	Built-in AirPort Extreme 802.11n Wi-Fi wireless networking;2 IEEE Built-in 10/100/1000BASE-T Gigabit Ethernet (RJ-45 connector) 802.11a/b/g compatible, Built-in Bluetooth 2.1 + EDR (Enhanced Data Rate)

Software	Operating System Latest Mac OS (includes iTunes, Time Machine, Quick Look, Spaces, Spotlight, Dashboard, Mail, iChat, Safari, Address Book, QuickTime, iCal, DVD Player, Photo Booth, Front Row, Xcode Developer Tools), iLife (includes iPhoto, iMovie, iDVD, iWeb, GarageBand) All software should be latest version at the time of delivery
	Final Cut Pro non liner editing software (Academic version). software should be latest version at the time of delivery
Optical drive	Slot-loading 8x SuperDrive (DVD±R DL/DVD±RW/CD-RW)
Electrical requirements	Line voltage: 100-240V AC, Frequency: 50Hz to 60Hz, single phase with essential power cord and connectors
Warranty	One years or more as provided by the principal
Optional Items	Quote separately for the optional items, Like External HDD, Ram, AMC for additional years.

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