



Video Recording Studio



WHAT'S OUR SERVICE?

- Class Room Lecture Productions
- Live webinar
- Non Linear editing
- Audio Recording

Studio Equipments

Camera

Sony PXW Z90 4K Camcorder
Canon Eos R DSLR Camera
Panasonic AJ-PX230 FHD Camcorder

Microphone

Sennheiser Wireless Lapel EW G4
Saramonic Wireless Lapel UWMic9
RODE NT USB Mic
Sennheiser Shotgun mic

Other Accessories

4 Axis Gimbal
iPad 6th gen (9inch display)
Teleprompter
Projector
Wacom Pen Tablets
PTZ Camera
Interactive Display (75 inch)



Get in Touch

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TLC IIITDM Kanchipuram

tlc.iiitdm.ac.in

1. Camera

Sony Camcorder PXW Z90

- Single 1" Exmor RS CMOS Sensor
- UHD 4K (3840 x 2160) up to 30p
- 4K HDR with Hybrid Log-Gamma (HLG)
- 3G-SDI Output, 2.4/5 GHz Live Streaming
- Phase-Detection Autofocus (AF)
- Zeiss 12x Optical / 18x Clear Image Zoom
- Records MPEG-2 HD with Optional License
- XAVC HD / QFHD Recording
- S-Log3/S-Gamut3 Imaging Options
- 2 x SD Card Slots, Relay & Simul Modes



Cannon EOS R

- 45MP Full-Frame CMOS Sensor
- DIGIC X Image Processor
- 8K30 Raw and 4K120 10-Bit Internal Video
- Sensor-Shift 5-Axis Image Stabilization
- 12 fps Mech. Shutter, 20 fps E. Shutter
- Dual Pixel CMOS AF II with 1053 Points
- 0.5" 5.76m-Dot OLED EVF
- 3.2" Vari-Angle Touchscreen LCD
- Subject Tracking with Deep Learning
- CFexpress & SD UHS-II Memory Card Slots



Panasonic AJ-PX230

- 3 x 1/3" MOS Sensors, 1080p60 AVC Video
- Variable Frame Rates up to 60 fps
- 28 to 616mm CAM-Type 22x Zoom
- Three Manual Zoom, Focus, Iris Rings
- AVC Ultra Multicodex Recording
- 2 x microP2 Card Slots
- 600% Dynamic Range, 10x Digital Zoom
- Built-In Optical Image Stabilizer
- Built-In Four-Step ND Filter
- UHR Glass Lens, 18 Elements in 12 Groups



Panasonic PTZ Camera

- 4-Ch IP Transmission + SDI/HDMI Output
- IP Ch 1: Up to 1080p60/50
- IP Ch 2: 1080p30, Ch 3/4: 720p30
- Power-over-Ethernet+ (PoE+)
- 1/2.86" 3MOS Sensor + Advanced DSP
- 20x Zoom Lens
- Flexible Remote Control Compatibility
- 12-Axis Color Correction
- Built-In ND Filters / OIS



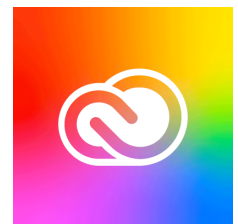
2. Non Linear Editing

A) Editing Software: Adobe Creative Suite and FCP

B) Hardware:

Windows 10 Professional 64bit OS

- 1TB 7200 RPM SATA 1st Hard Drive
- 500GB 7200 RPM SATA 2nd Hard Drive
- Wireless Keyboard and Mouse
- DVDRW SATA
- NVIDIA Quadro GPU (K2200 4GB DDR5)
- Xeon Processor (E2-1240 v5 @ 3.5Ghz)
- 32GB DDR3-1866 (16x2GB) t
- 27" Monitor (3840X2160).



Hardware:

- Mac Pro
- 512GB SSD
- Wireless Keyboard and Mouse
- AMD FirePro D500 graphics processors with 3GB of GDDR5 VRAM each
- Xeon Processor (E2-1240 v5 @ 3.5Ghz)
- 12GB DDR3-1866 (16x2GB)
- 27" Monitor (2048×1080).



C) Video Capture Card: DATAVIDEO NVS-33

Supported Video Input Resolution - 1080p 60/59.94/50

1080p 30/29.97/25/24/23.98

1080i 60/59.94/50

3. Card Reader:

Digitek USB 3.0 Multi-card Reader

4. Pen Tablet/Interactive display

Pen Tablet

Wacom Intuos Pro Paper Edition

Wacom Pro Pen 2

8 ExpressKeys™

Wacom Finetip Pen

Wacom Paper Clip



Interactive Display

Interactive touch screen panel with computer, pen and software

Cast: Present wirelessly from any network with a single click. Share video, links, and files from any device.

Broadcast: Broadcast content or present wirelessly from a personal device, and invite up to 200 participants to connect from their own.

- Two built-in 1080p wide-angle cameras let you be seen from anywhere in the room.
- With noise reduction and echo cancellation, your voice is heard clearly.
- Advanced InGlass touch enables responsive touch for a smooth and intuitive writing experience.
- Instant digital discussion board and on-screen annotation tool. Never let a single idea slip away



- Connect to the X series with your own device. Share your screen and collaborate with the team.
- No matter what device you use, MAC, iOS, Windows, or Android, the OS will be compatible.
- Share content, schedule meetings, collaborate with others, and more. All in the powerful X series.
- Clear all annotation records when the meeting ends and choose if you want to save any confidential data

5. Laptop

Macbook Pro:

- 500 GB HDD Drive
- SuperMulti DVDRW
- Intel Integrated Graphics
- Core i5 (I5-3210M)
- 8GB DDR3-1866 (2x4GB)
- 13.3" Monitor (1280×800)

Video Switcher

Datavideo SE-650

4-CH HD Video Switcher 2 Ch HD SDI and 2 Ch HD HDMI

Chroma Keyer

1 HDMI Output

RCA Audio In and Out



6. Audio Mixer

Soundcraft Signature Mixer Board

16 Channel audio mixer

XLR / Phono, (balanced/un-balanced)

Mic input levels -60 db – 10db



Other Features audio mixer

professional +48V phantom power (min 2 I/P) for condenser microphones
Supports

Linear / Slider fader.

RCA / Phono playback inputs and record outputs.

Peak LEDs on all input channels.

Mute and PFL on input channels. Output metering.

7. Microphones

Sennheiser Wireless Lapel EW G4

Camera-mount wireless lavalier microphone

broadcast-quality sound

Battery life (operating time): Min. 8 hours (2AA Batteries)

Polar pattern: Omni Directional

Capsule: Electret Condenser

Form Factor: Lavalier

Frequency range: 50hz to 18Khz

Receiver Output: XLR (Balanced) Line output



Saramonic Wireless lapel

Camera-mount wireless lavalier microphone

broadcast-quality sound

Battery life (operating time): Min. 8 hours (2AA Batteries)

Polar pattern: Omni Directional

Capsule: Electret Condenser

Form Factor: Lavalier

Frequency range: 50hz to 18Khz

Receiver Output: XLR (Balanced) Line output



Rode NT USB MIC

Cardioid Microphone

3.5mm stereo headphone jack for zero-latency monitoring

Direct mix control between mic input and source output

Cardioid polar pattern



Sennheiser Shotgun Mic

Selectable 100 Hz Low-Cut Filter

Resists Structure-Borne Noise

Low-Noise Circuitry

High Sensitivity Requires Less Gain

Gentle Presence Boost

Windscreen Reduces Wind Noise

Output Connectors (Analog): 1 x XLR 3-Pin



8. Active speaker (2 way)

Type: Active

Low/mid driver dimensions: 3.5"

Tweeter dimensions (mm): 1"

RMS: (Both LF + HF): 25 watts

Frequency response: 80hz to 20Khz

Max. SPL: 100 dB

Protection circuits: Overload

Controls: volume, mains switch (on/off)

Line inputs: 2 input

Line inputs connectors: 6.3 mm and 3.5mm Jack

Input Sensitivity: Selectable -10 dB/+4 dB

Operating voltage: 230 V A C \pm 10%, 50 Hz



9. Studio Lights

STUDIO Lights

a) CFL 200 W Four bank light.

Color temperature: 3200K

Control: Manual.

Ceiling Mount.

leaf barn door



b) Fresnel Tungsten Light

Color temperature: 3700K

Control: Manual

Ceiling Mount.

4 leaf barn-door



c) LED Light

Color temperature: 3300K

Control: Manual

Tripod Mount.

4 leaf barn-door

Diffuser



D) Soft box light

Color temperature: 3300K

Control: Manual

Tripod Mount.



10.UPS:

11. Other Accessories

4 Axis Gimbal

iPad 6th gen (9inch display)

Teleprompter

Projector