Multipurpose Laboratory

The **CEATIC** has a space conditioned as a multi-purpose laboratory, intended for practical workshops and other uses. It is located in the C6-116 space. You can reserve this space; if you are unable to log in, contact a technician from the CEATIC according to the organizational chart.

The laboratory is equipped with the following resources:

- 1. Workstation for presentations and video calls
- 2. Workstation for 3D scanning
- 3. Video projector
- 4. Touchscreen monitor with whiteboard function
- 5. Tables and chairs for 20 people

Available Resources:

- 1 Video projector with a computer
- 1 Scanning 3D workstation
- 1 V7 Interactive Flat Panel 75 UHD
- 1 Workstation for complex calculations

Foto del laboratorio multiusos

Foto dos del laboratio multiusos

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1. Workstation for presentations and video calls 2. Workstation for 3D scanning 3. Video projector 4. Touchscreen monitor with whiteboard function 5. Tables and chairs for 20 people **Available Resources:** • 1 Video projector with a computer • 1 Scanning 3D workstation • 1 V7 Interactive Flat Panel 75 UHD • 1 Workstation for complex calculations **Workstation Specifications for Presentations:** • PTZOptics PT20X camera with rotation capability to focus on any point in the room • Yamaha speaker with microphone, similar to those in the campus classrooms • Intel I5 9400F processor 2.9 GHz • 8GB RAM • 500GB SSD

Workstation Specifications for Complex Calculations:

- 2 x Intel® Xeon® Silver 4210R processors 10 cores, 2.4 GHz with high-performance Noctua heatsink
- 12 x 16GB DDR4 2933MHz ECC memory (192GB total)
- 1 x Nvidia Quadro® Pascal P400 V2 GPU 2GB GDDR5 1228 MHz
- 1 x 2TB SSD Intel NVME M.2 660p Series
- 1 x 1000W SilverStone ST1000-PTS PSU 80 Plus Platinum Modular
- 1 x ASUS WS C621E SAGE motherboard
- 1 x Logitech MK120 keyboard and mouse (USB)
- 1 x Windows 10 Pro 64-bit license
- 1 x 8TB SATA HDD (7200 rpm, 3.5" Enterprise)

Especificaciones estación de trabajo para escaneo 3D

Workstation Specifications for 3D Scanning:

- Asus ROG Strix G512L Laptop
- EinsScan Pro 2X 3D Scanner

Asus ROG Strix G512L Laptop Specifications:

- Intel I7 10750H processor
- 16GB RAM
- 512GB SSD
- RTX 2060 GPU

EinsScan Pro 2X 3D Scanner Specifications:

This handheld 3D scanner is a professional solution for versatile 3D digitization applications in a simple manner.

- **3D point accuracy**: Up to 0.04 mm (turntable mode) and 0.05 mm + 0.3 mm/m (manual scan mode)
- Working distance: 0.4 m
- **Field of view**: 135x100 mm (min.) 225x170 mm (max.)
- Video frame rate: 30 fps
- Data acquisition speed: 1.5 million points per second or 100,000 points with 7 data capture lines
- Connectivity: 1 x USB3.0

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Related links

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