

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

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**

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

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

Related links

- [Manual de usuario](#)