

# Classroom Teaching Technology

Crestron & AV Bridge Mini

**WATERLOO | ARCHITECTURE**

# To Start your session

The height of the desks in the E-Class and 2026 is adjustable

Lift the handle to raise the desk

Push the handle down to lower the desk





## When using your own computer,

Prior to starting the system, connect the HDMI cable, and the USB cable if you wish to use the headset microphone.

ACM has made compliant USB-C / HDMI adapters available in each room.

Please ensure the adapter remains in the room and put it back in the keyboard slide!



In these classrooms, the HDMI cable will connect your display & audio output from your computer to the classroom.

The USB connection serves as the audio input which connects your computer to the microphone(s) and the camera(s) installed in the room via the **AV Bridge Mini**.

This is important for Teams & Zoom meetings.

If you are using the classroom computer you can use the USB inserts in the well to transfer files to that computer.





Tap the touchscreen to activate the system.

The system will automatically start the TV or Projector.

**WAIT UP TO 30 SECONDS** for the projectors to turn on.

Select either the provided PC, or your laptop





## If the Projector or Display does not turn on

Leave your computer plugged in. Restart the system at the touch panel and go through the steps again being careful not to send multiple commands, be as patient as possible.

After 30 seconds, if the system does not turn on again and you are using your own computer, unplug the HDMI cable, plug it in again and repeat the steps above.

## If the Projector or Display still does not turn on, contact ACM

ACM Staff may have to disconnect the network cable at the projector / display and restart the equipment manually.

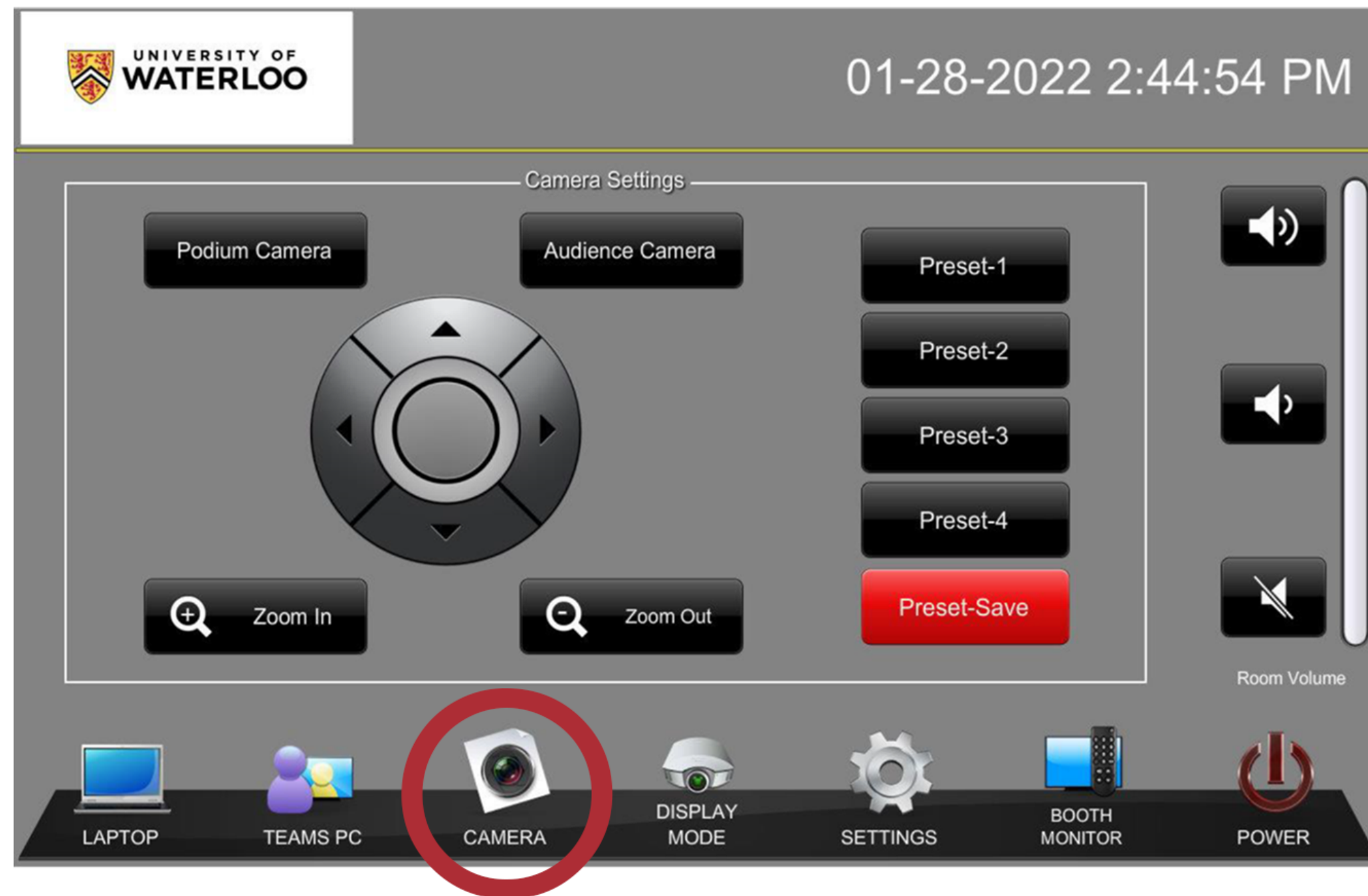
Everything is working, skip this slide!



From the touchpad you can adjust the volume to the speakers in the room.

The camera can be adjusted by tapping the camera icon.

In the Cummings Lecture Theatre you can operate the blinds and some of the lights from the **settings** ICON.



← Increase Computer Audio

← Decrease Computer Audio

← Mute Computer Audio

When your session is over,  
Terminate the session on the touch panel, do not turn off the  
computer.



← Terminate Session  
(Shutdown)



# Confirm shutdown

## Beginning Shutdown Sequence

All video and audio conference calls will disconnect upon confirmation.

What would you like to do?

Confirm Shutdown

Cancel and Return  
to Main Page

### Teaching Workstation, Adjustable height

Keyboard Slide, Cable well with HDMI, VGA, 3.5mm audio, USB (Vadio) recessed AC power

### Classroom PC

Cummings Lecture Theatre - Lenovo T10, i7-10700T @ 2.GHz, 16GB RAM.

E-class - Dell OptiPlex 7460 AIO, i5-8600 CPU @ 3.10GHz, 8GB RAM, Touch Screen.

2026 Ventin Room - Lenovo T10, i7-10700T @ 2.GHz, 16GB RAM.

**Cisco SG110D-08HP** Delivers basic network connectivity and reliability

### Vadio AV Bridge Mini

AV Bridge Mini HD Audio/Video Encoder, to bridge any high definition HDMI and audio source into soft conferencing applications such as Skype , Teams, Zoom and WebEx through its powerful USB 3.0 interface.

### Black Magic Design SDI to HDMI

Compatible with SMPTE ST 2110 networks, Converts IP hardware devices, supports both copper or fiber networks, and multiple codecs. Interoperable.

**Crestron DMPS3-4K-100-C** switches audio and Video inputs and provides high-performance automatic switching between four groups of inputs, each including HDMI, VGA, and unbalanced stereo audio. The HDMI inputs are compatible with DVI and Dual-Mode DisplayPort sources, and the VGA inputs can handled RGB, composite, S-Video, and component video sources.

### Crestron AMP x300

The AMP-X300 features protection against overheating, shorted or overloaded speaker lines, excessive input signals, and other faults. In the case of a shorted speaker line or overheating condition, both outputs mute automatically until the fault condition is resolved.

### QSC Core 8 Flex Audio Processor,

offers onboard analog audio I/O and GPIO plus network AV&C processing, and like all Q-SYS Core processors, the Core 8 Flex delivers features and functionality at the software level, including acoustic echo cancellation (AEC), wide-area paging, video routing, and a full featured control engine.

### SONY VPL-PHZ60 Projector

16:10 aspect ratio, 1920x1200, 6,000 lumen, 3LCD.

When it fails to start from the touch panel, the network cable can be disconnected and started from the power button.