

Technical equipment in the Motion Lab

as of March 11, 2024

According to OSU Fire Regulations the maximum
amount of people in the room is 49.

In case of performance this number includes performers and crew.

Room (350 at Sullivant Hall)

Size

open space: 44' x 38'10" plus

control area 23'10" x 11'08"

both with sprung floor and covered with black

marley plus concrete patch 12' x 12' (painted black)

height to the grid: 16'02" height to the curtain rails:

14'08"

height to the ceiling: between 18' and 20'

Open control area positioned in the back of the lab (see 'ground plan')

All curtains run in rails (for layout please see 'grid layout')

Black velvet to cover three sides of the room

1 Projection Screen 'Opera' cream white (24 feet wide x 14 feet height)

3 white sharktooth scrim (24 feet wide x 14 feet height)

1 black sharktooth scrim (24 feet wide x 14 feet height)

1 framed Projection Screen (8 x 6 feet) on stands

3 portable pipe and black drape (8 to 12 feet wide x 8 feet tall)

Light

Lighting control system

1 ETC ION (1024 DMX addresses) with 2 x 20 fader wing

15 ETC single dimmer units, 750W each

1 LAN Box LCX

LED Lighting fixtures

- 10 ETC - Source 4 Lustr+ 50°
- 4 ETC - Source 4 Lustr+ 36°
- 12 ETC - Source 4 Selador Desire D40
- 6 ETC - Source 4 Selador Pearl

Incandescent Lighting fixtures

- 15 ETC - Source 4 575 W, 50°
- 1 ETC - Source 4 575 W, 70°
- 2 barrels of each 50°, 36°, 26° and 19° for Source 4
- 4 DMX controlled Dowsers

Sound

Digital Mixing Desk

- 1 Allen&Heath QU-16
 - Input:
 - 16 mono channels, 3 stereo channels, USB
 - Output:
 - 4 mono mix, 3 stereo mix, 1 main mix, USB

Speakers

- 6 Tannoy VX 12 each with flying bracket
- 1 Tannoy Power VS15 BP Subwoofer

Amps

- 4 Lab.Gruppen E-Series 8:2

Active Speakers

- 2 M-Audio BX5 D2
- 4 Event Electronics Alp 5

Microphones

- 2 Shure ULXD wireless receivers
- 2 Shure ULXD belt pack transmitters w/ lavalier mics
- 2 Shure ULXD handheld transmitters
- 1 Shure ULXD wireless boundary mic transmitter
- 2 Rode MT 5 matched pair

- 1 Rode NT2A
- 1 Shure SM 58
- 1 Electrovoice RE10
- 1 Shure 184 (Lavalier)
- 1 Azden SGM-1X shotgun
- 1 Alu Boom with shock mount
- 1 Sennheiser Evolution 100 (wireless)
with Lavalier and plug on Transmitter

more Microphones are shared with the Department of Dance

external Soundcard

- 1 Motu 8PRE-ES

Player

- 1 CD Tascam SS-CDR200

Video

Projectors

- 1 Epson Power lite L615U
- 1 Infocus 138 HDST
- 4 Optoma TH 1060P
- 3 BenQ LK936ST (short throw)
- 2 Optoma TW 610ST (short throw)
- 2 Optoma EH 4215ST (short throw)
- 1 Panasonic PT-AE 7000u
- 2 Panasonic PT-DW 530U (720p native)
- 1 Optoma Pico PK 320

Monitors

- 1 Panasonic Viera 50" plasma HDTV
- 1 Samsung UN 40 EH 5300F
- 2 Acer G 245 HQ

Cameras

- 1 Blackmagic Studio Camera 4K Pro
- 1 Blackmagic Pocket Cinema Camera 6K Pro
- 1 MOKOSE C100 12MP
- 1 Canon XF 100
- 3 Canon Vixia HFM 52

- 1 Canon Vixia HF R60
- 2 Theta 360° cameras
- 1 Panasonic Lumix DMC-LX 2 (point and shoot)

Side Rack

- 1 Aurora G3 16x16 HDMI Matrix Switcher (12x12 installed)
- 1 Gefen 8x8 HDMI Matrix Switcher
- 1 Atlona AT-HD 600 HDMI Scaler/Switcher
- 2 Matrox Triple Head Display Port
- 6 Kanex Pro HDMI over CAT6 extender

More video miscellaneous

- 1 Matrox Triple Head digital Port(DVI)
- 1 Blackmagic Intensity capture card (thunderbolt)
- 3 Blackmagic Ultra Studio Mini Recorder
- 3 Xbox Kinect sensor
- 2 Xbox one sensor
- 4 Astra ORBBEC
- 1 WHD wireless HDMI system
- 2 View HDMI 4x2 Switcher

Computer

The hard- and software is constantly updated

Hardware

- 1 Mac Pro M2 Ultra, 128 GB

- 1 Mac Studio M2 Ultra, 128 GB

- 2 Lenovo Think Station with AMD Ryzen 16-Core 3.89 GHz
Nvidia RTX A6000 graphics card

- 1 Dell Precession T 7910 with Intel Xeon E5 @ 3.5 GHz
Nvidia Quadro K 5000 graphics card
Blackmagic PCI capture card

More miscellaneous

- 1 Midiman USB 2x2 Midiport

1 Korg Nano Midi Controller
12 Makey Makey

Software

Adobe Suite

Final Cut Pro X

Houdini

Isadora

LC Edit

Max MSP Jitter

Maya

Motion Builder Unity

And more....