Technical equipment
in the Motion Lab
as of December 11, 2019

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

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 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
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 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
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 capturecard (thunderbolt)
3 Blackmagic Ultra Studio Mini Recorder
3 Xbox Kinnect sensor
1 Xbox one sensor
1 Astra ORBBEC
1 WHD wireless HDMI system
2 View HDMI 4x2 Switcher

Computer
The hard- and software is constantly updated

Hardware
1 Mac Pro 3.5 Ghz 6-Core
1 Thunderbolt Display 2560x1440

3 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 Controler
12 Makey Makey

Software
Adobe Suite
Final Cut Pro X
Houdini
Isadora
LC Edit
Max MSP Jitter
Maya
Motion Builder
Unity
And more….