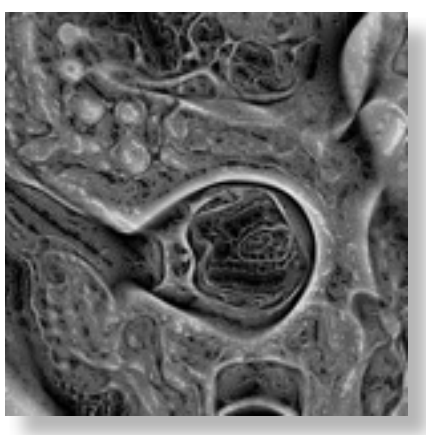
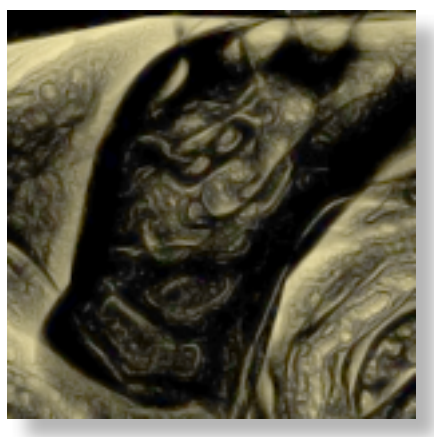
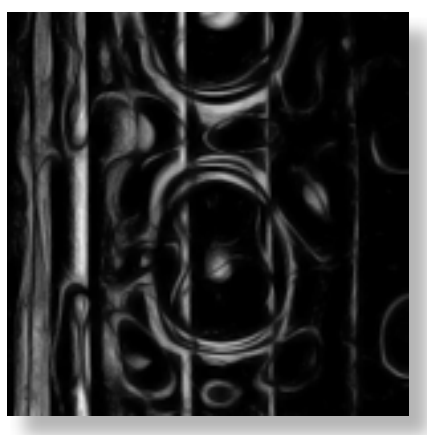
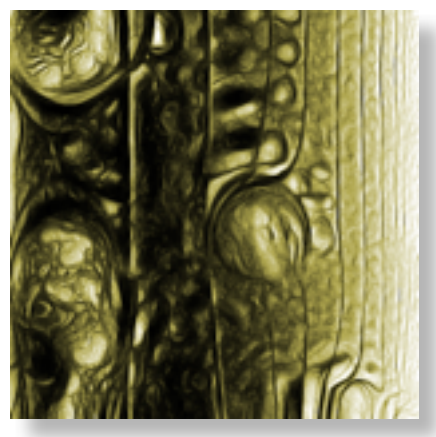
PLASM is an immersive, audiovisual installation using large scale projected imagery and multichannel sound.

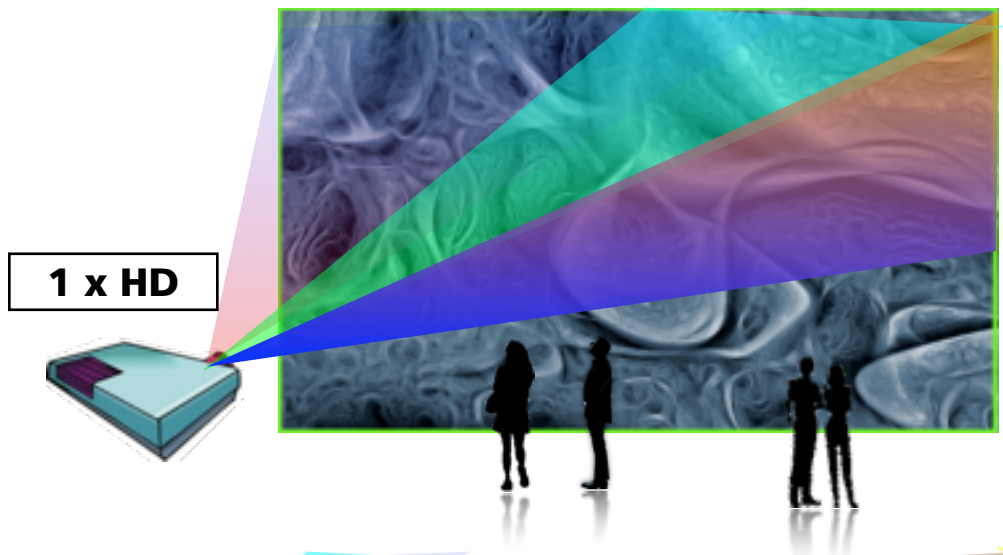
Inspired and informed by the work of computer science pioneer Alan Turing in mathematical biology, PLASM evokes an endless voyage through a continually transforming biological landscape.

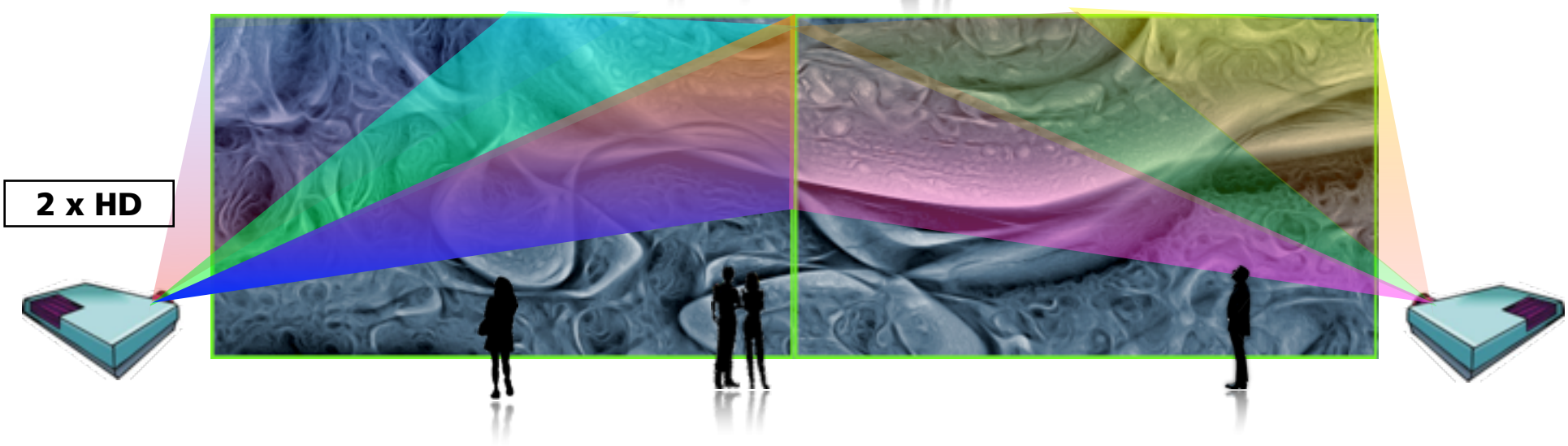
The gallery space is transformed into an overwhelming visual and sonic environment in which the scale of the moving images and the density of spatially drifting sounds dwarfs the visitors' bodies and their perception of shapes, colors, textures and movement.

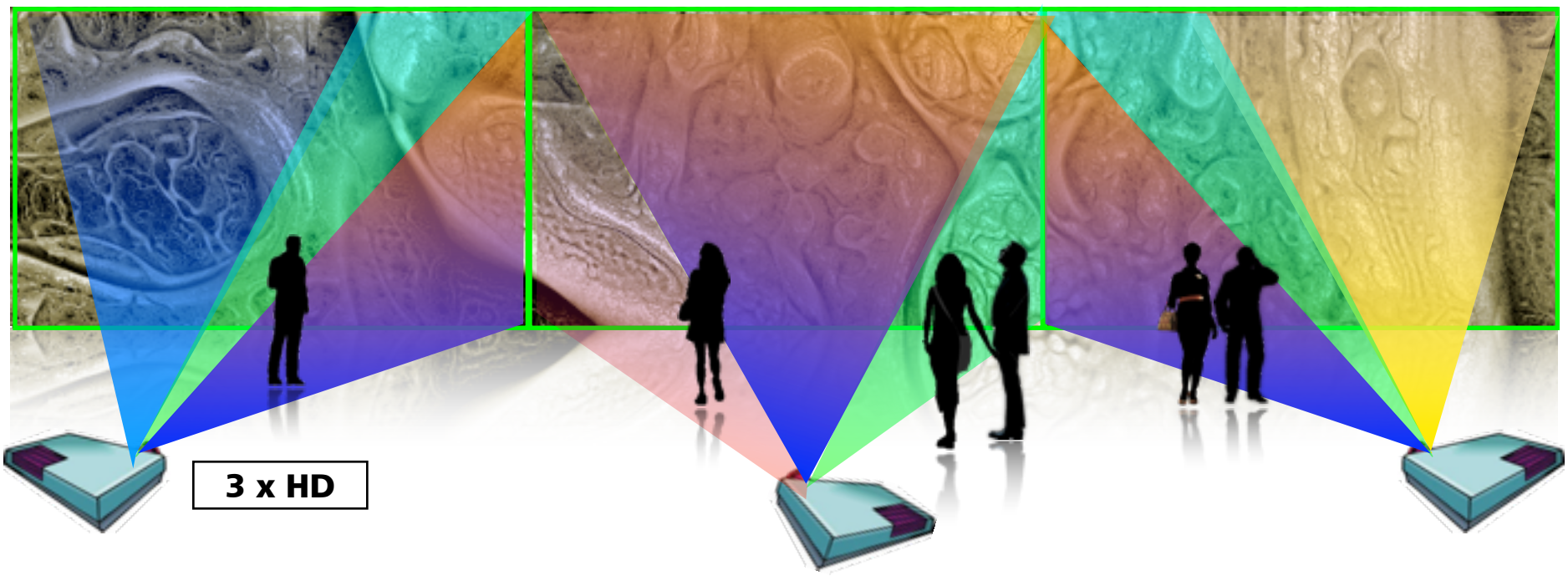
The images create an impressive display of organic forms resembling living cells, tissues, organs and other lifelike formations, seamlessly evolving through a generative composition (i.e, a composition which is perpetually transforming based on a computer program). The artwork explores and revives Turing's research about the chemical basis of spontaneous pattern formation in the natural world.

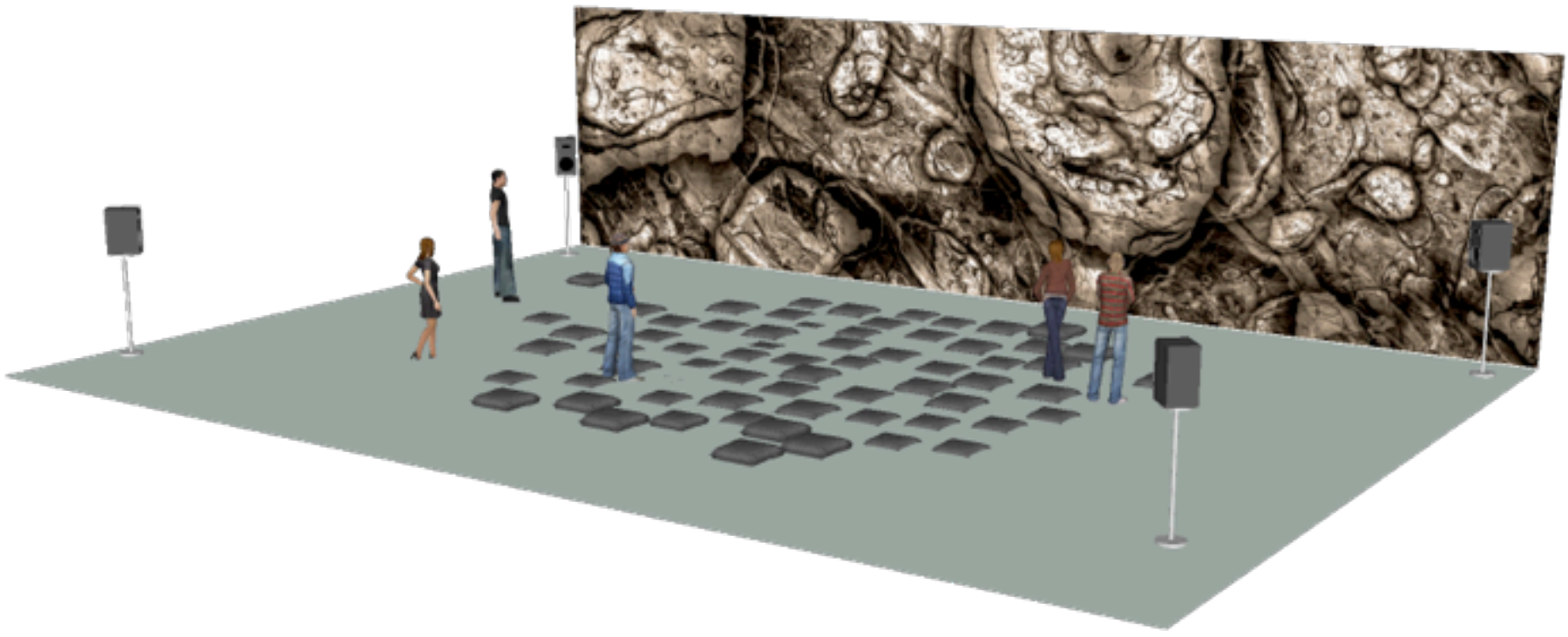
The staging of PLASM artwork is designed to be a horizontal wall / canvas, as large as possible, to fit the dimension of a big wall of the hosting venue, as precisely as possible. The gallery is completely darkened to augment the sense of reality and immersivity of the projection. One or multiple overhead (or rear) HD projections, seamlessly aligned side by side, will suit this scale. The exact setup will be decided in concert with the organizers/ curators and according to the available space and technical resources.



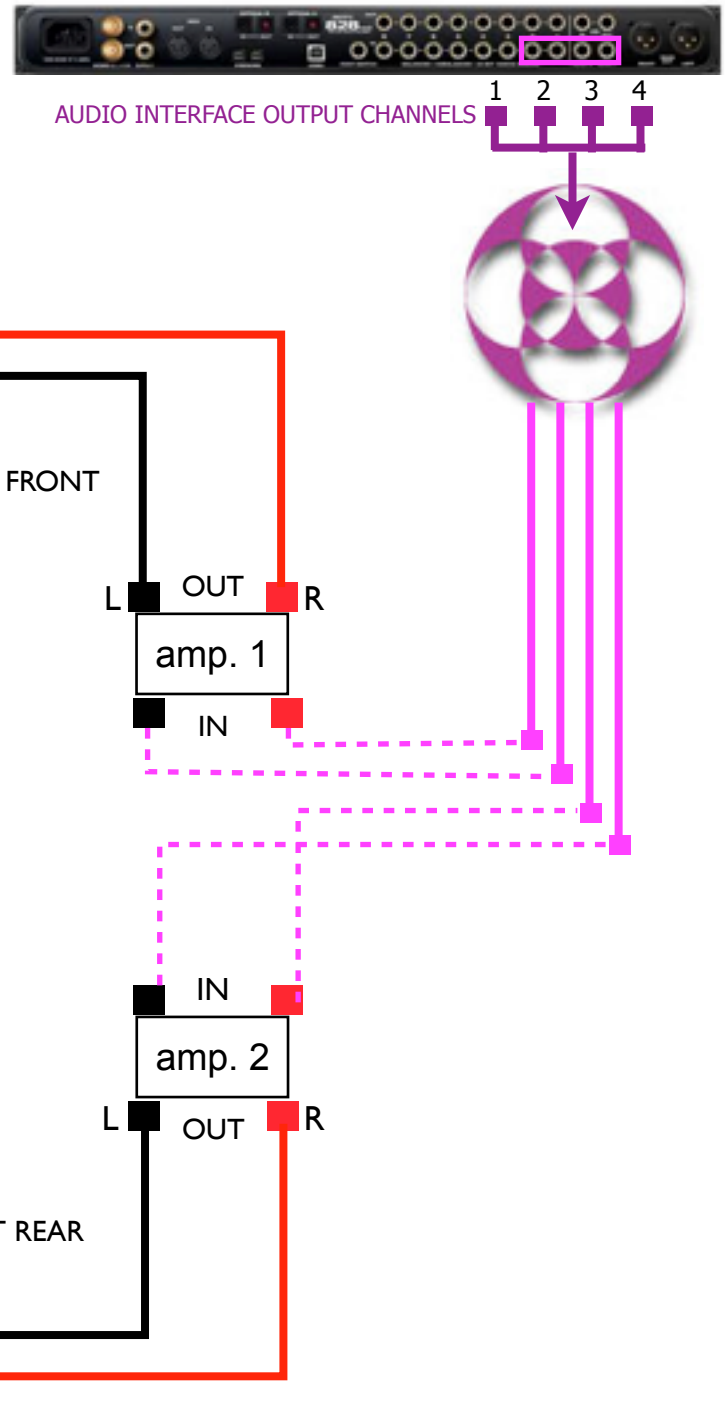




UHD (4K) is also possible as well as other “non-flat” surface projections such as dome and video-mapping over buildings facades or other architectural installations.

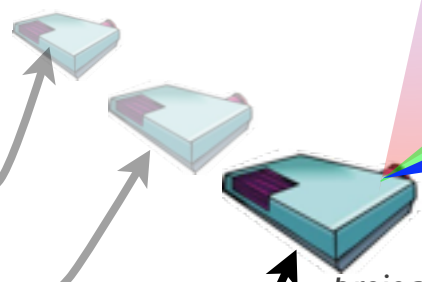


PLASM real-time generative soundscape is encoded in Ambisonics and diffused through a quadraphonic (4.1) sound system. 4 full-range audio signals are fed to the amplifiers. Internal crossover at P.A. level is required to split the frequency range and address the subwoofer. If speakers are full-range and able to play as low as 40 Hz then no subwoofer is required.

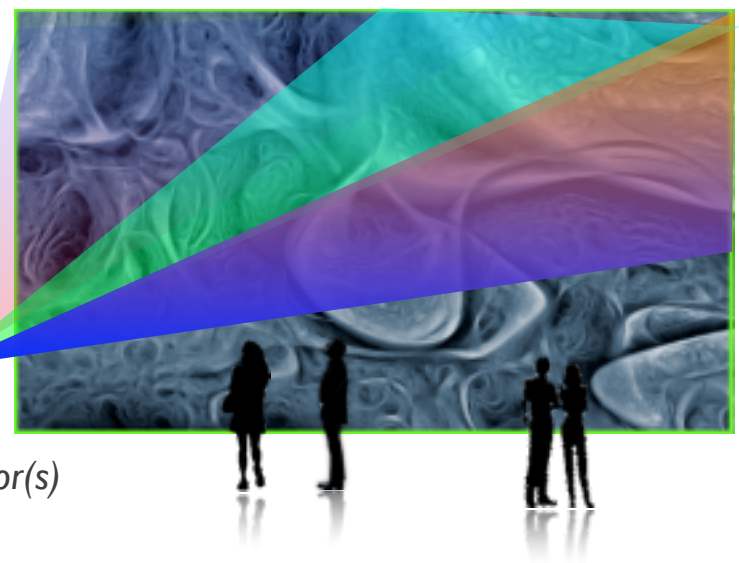


control monitor

HDMI



projector(s)



HDMI ::: *see next page for additional video connection options*

FIREWIRE ::: *via thunderbolt to firewire adapter*

1 2 3 4

4 AUDIO OUT

LEFT FRONT

RIGHT FRONT

crossover

SUB

crossover

LEFT REAR

RIGHT REAR

ARTIST brings

- 1 x Mac Pro 2014 * desktop computer [**PLEASE READ NOTE!**]
- 1 x firewire audio interface
- installation proprietary software

NOTE *: Mac Pro computer will be provided by the artist when exhibition period is not longer than 7 days and lodging / accommodation is offered for the whole period. Precise conditions will be formally agreed between the artist and the organizing venue at least 6 weeks prior the opening of the show. Potential rental of the computer will be discussed and decided together with the artist and the technical director of the venue. See Apple Mac Pro specifications below.

VENUE provides

AUDIO.

- AUDIO P.A., QUADRAPHONIC, see specs. **AMBISONICS SOUND**
- 4 x audio cables (from audio card 1/4' balanced jack to speakers)

VIDEO

- N * video projector(s) DLP, FULL HD 1080p resolution, HDMI 1.4 input, 9000+ ansi-lumen minimum
- 1 x projection surface / full wall, 7 x 4 mt min. - see specs **VIDEO PROJECTION**
- 1 x computer/TV monitor, HDMI input, for control and programming

NOTE *: the exact number of projections will be decided by the artists and the venue by mutual agreement at least 6 weeks before the opening of the show.

OTHER

- USB computer keyboard (american) and USB mouse
- ventilated locked box for computer
- pillows or benches for the visitors
- insurance for all artist's technical instrumentation (incl. computer, sound interface, cables)

NOTE: EXHIBITION ROOM IS COMPLETELY DARK
NO LIGHTS OTHER THAN THE VIDEO PROJECTION

APPLE Mac Pro SPECIFICATIONS (minimum)

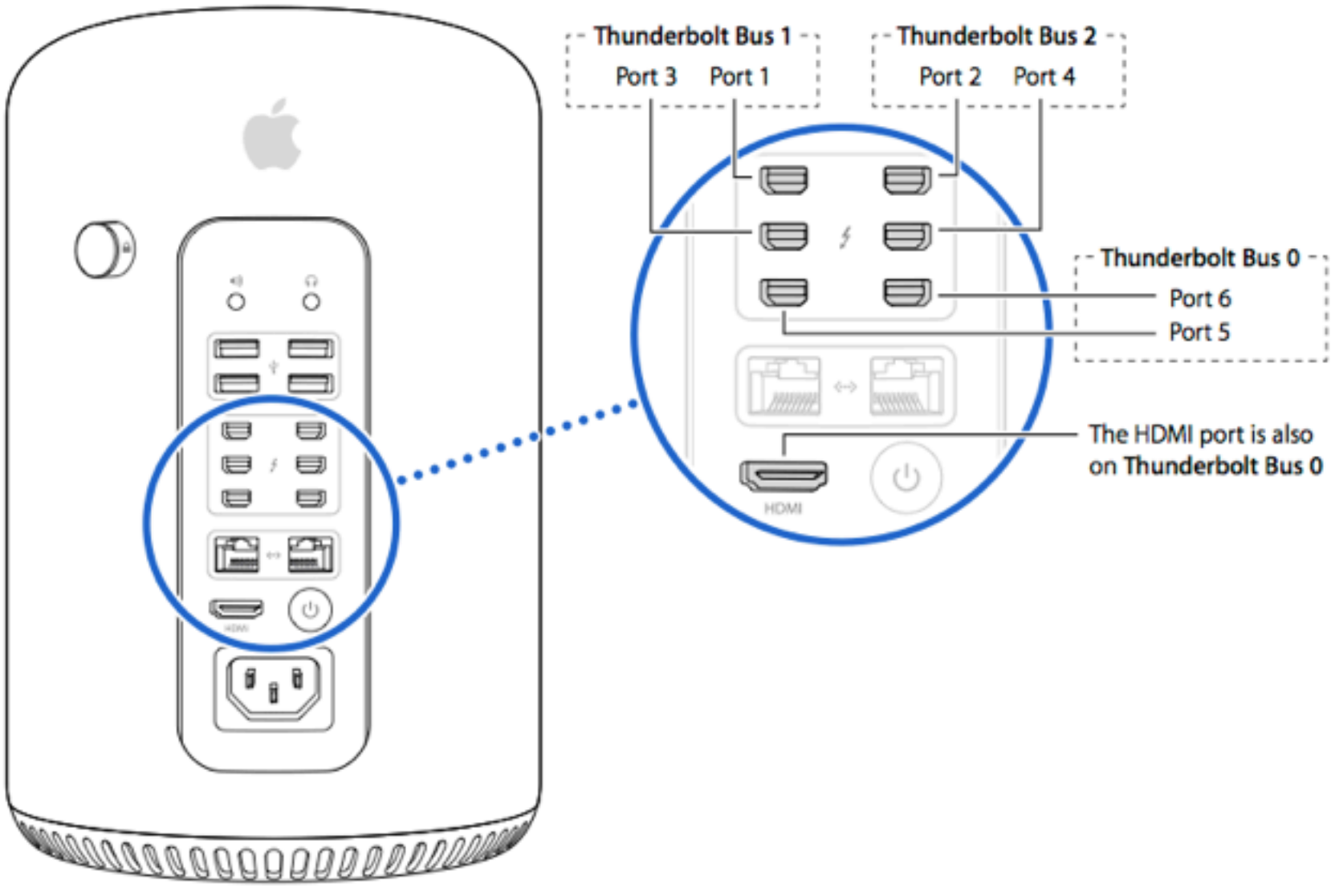
6-Core and Dual GPU

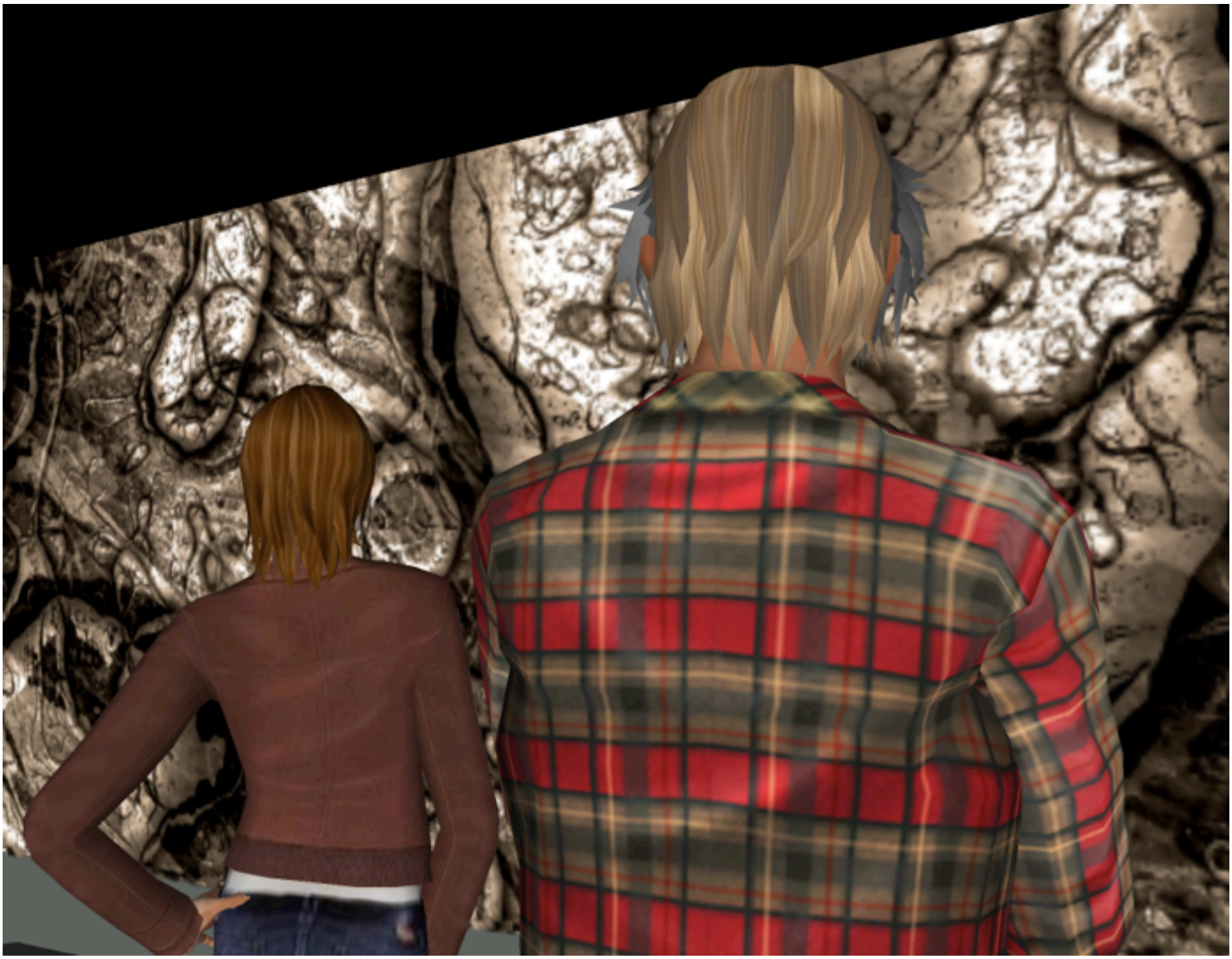
1 3.5GHz 6-Core Intel Xeon E5 processor
2 16GB 1866MHz DDR3 ECC memory
3 Dual AMD FirePro D500 with 3GB GDDR5 VRAM each
4 256GB PCIe-based flash storage[1]

Mac Pro: using multiple displays

You can connect up to:

- Six Apple Thunderbolt Displays (27-inch), Apple LED Cinema Displays (27-inch), or third-party Mini DisplayPort displays.
- Three 4K displays: two connected via Mini DisplayPort and one connected via HDMI.
- One 4K Ultra HD TV or 4K display using HDMI and four Apple Thunderbolt Displays (27-inch), Apple LED Cinema Displays (27-inch), or third-party Mini DisplayPort displays.
- Two HDMI (HD or 4K) devices: one connected via HDMI and one connected via Mini DisplayPort with an HDMI adapter (see note below).





PLASM INFOPACK - DOWNLOAD

ONLINE INFO + WEB VIDEO TRAILER

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