A tracking technology for creative people





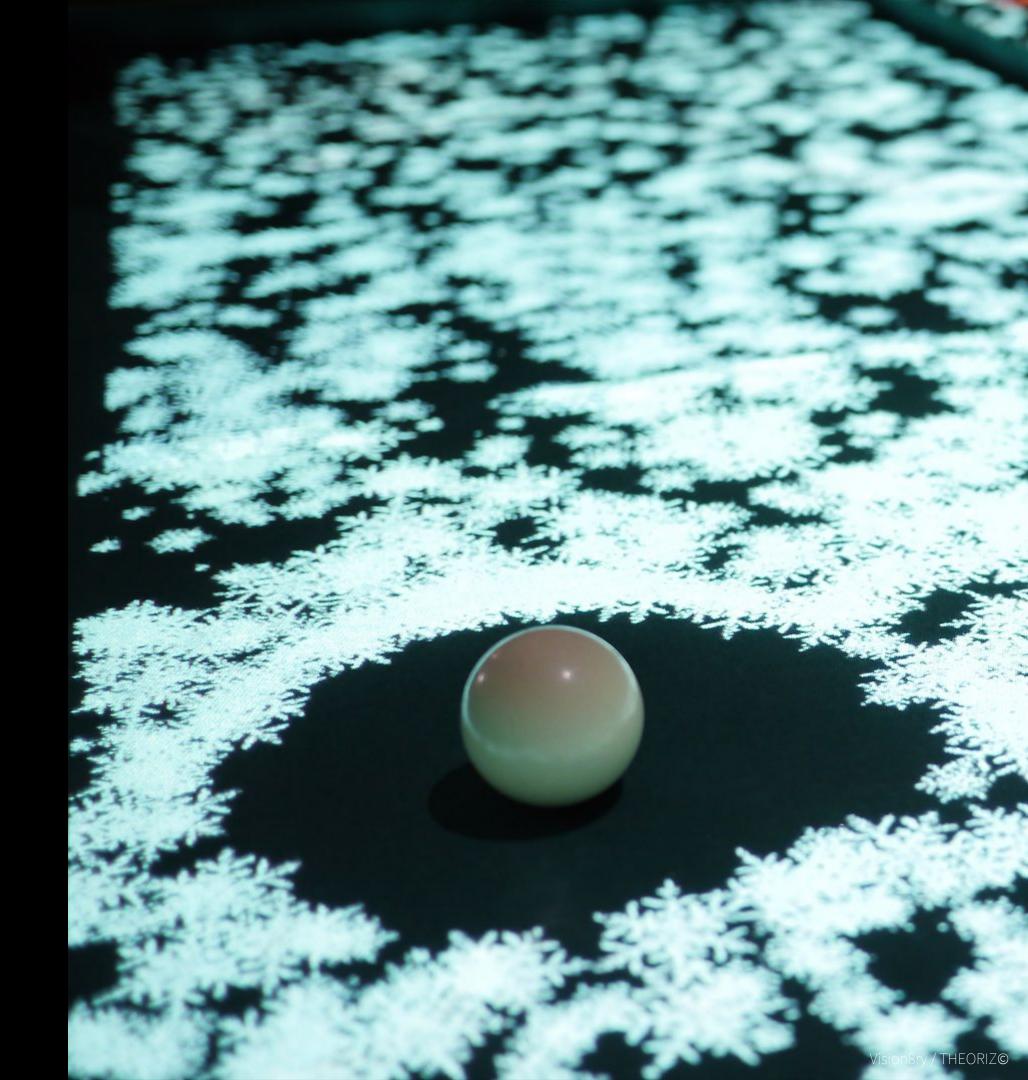
THE TECHNOLOGY

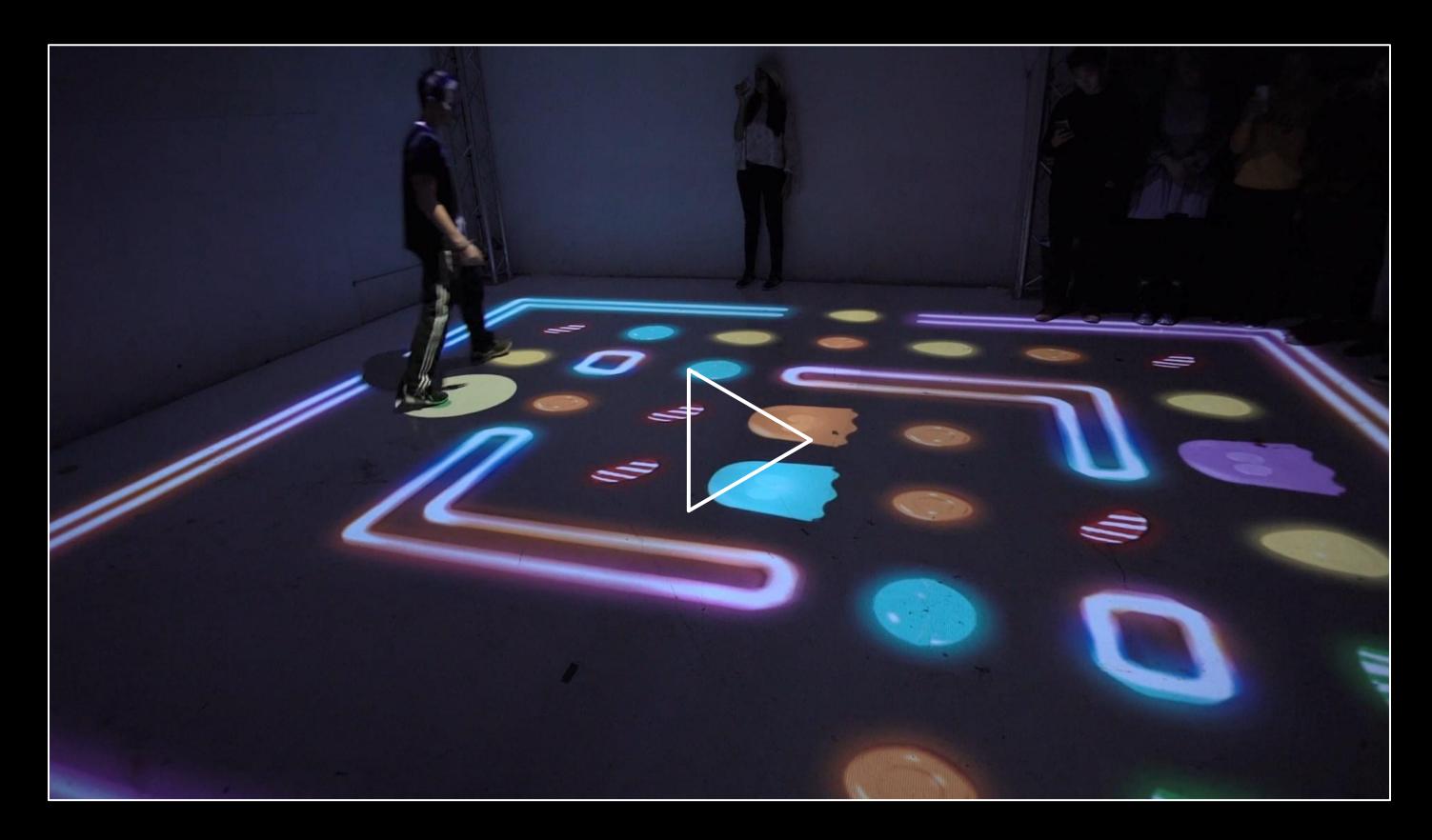
Augmenta® is a sensorless tracking technology for creative applications.

People and objects can be tracked without limitations of number of people or area size.

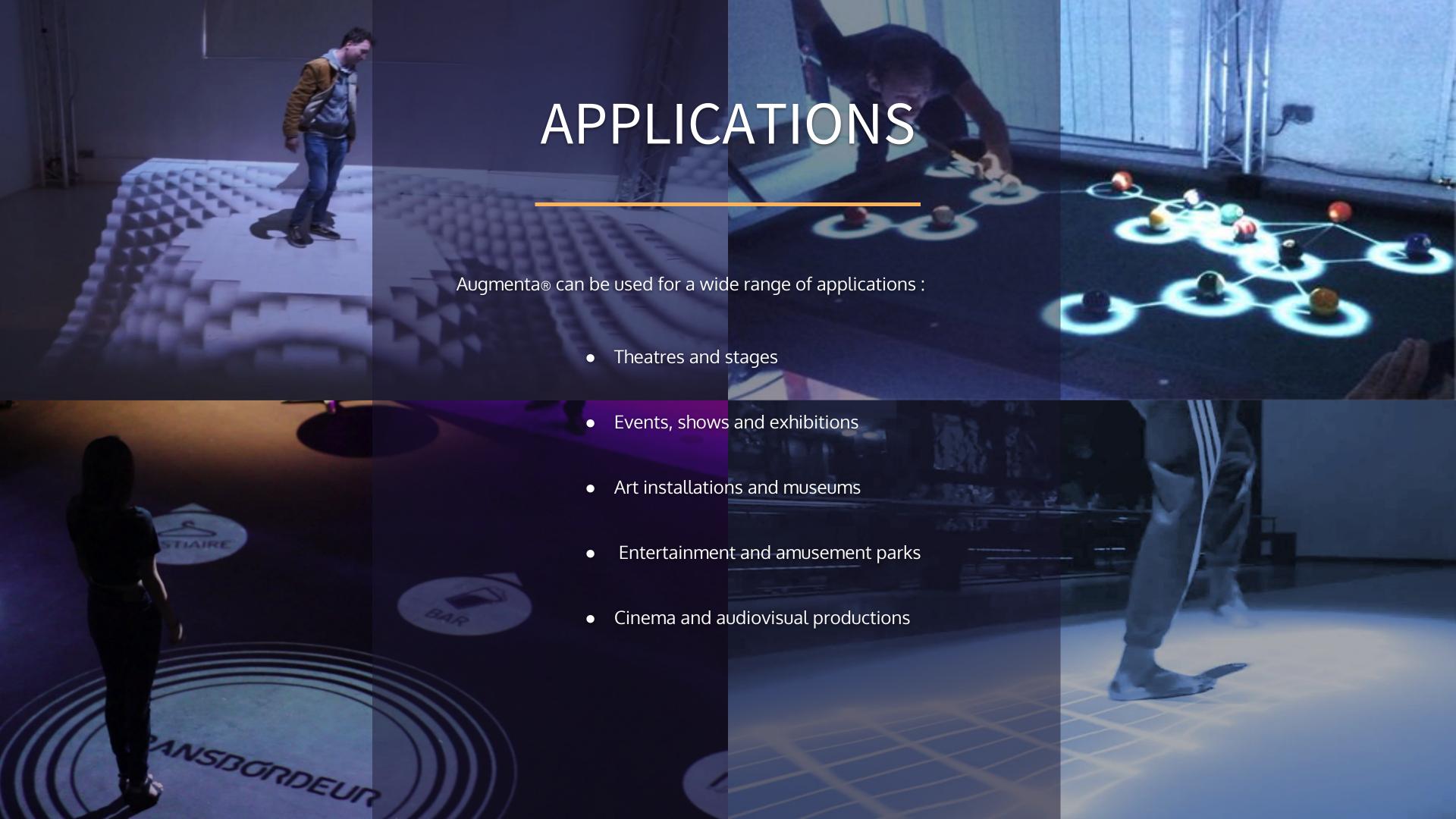
The tracking data are provided by the system through open protocols compatible with most video, audio, or light creation softwares.

The technology has been designed for events or permanent installations in mind. It can be deployed and calibrated in a short period of time and features all the tools for long term monitoring.





Watch Augmenta in action: https://vimeo.com/323923994/8c45c9de5c



REFERENCES



Mixed Reality research by THEORIZ Studio vimeo.com/220883711



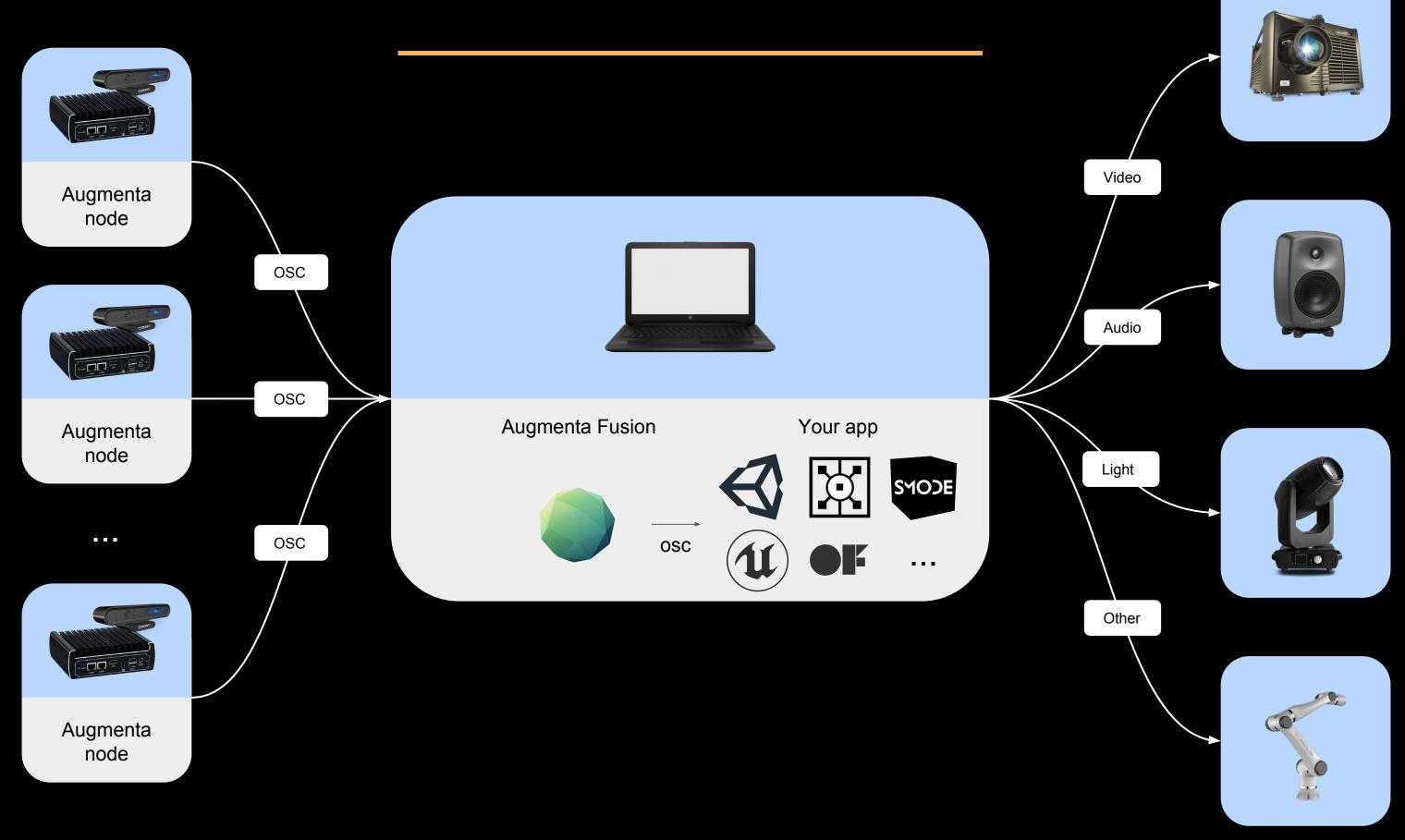
Vertical dance research by THEORIZ Studio https://vimeo.com/324834876/f942d9c260



PASSAGE short movie by THEORIZ Studio vimeo.com/266423627

Here are some projects example using Augmenta® technology for different uses.

SYSTEM OVERVIEW



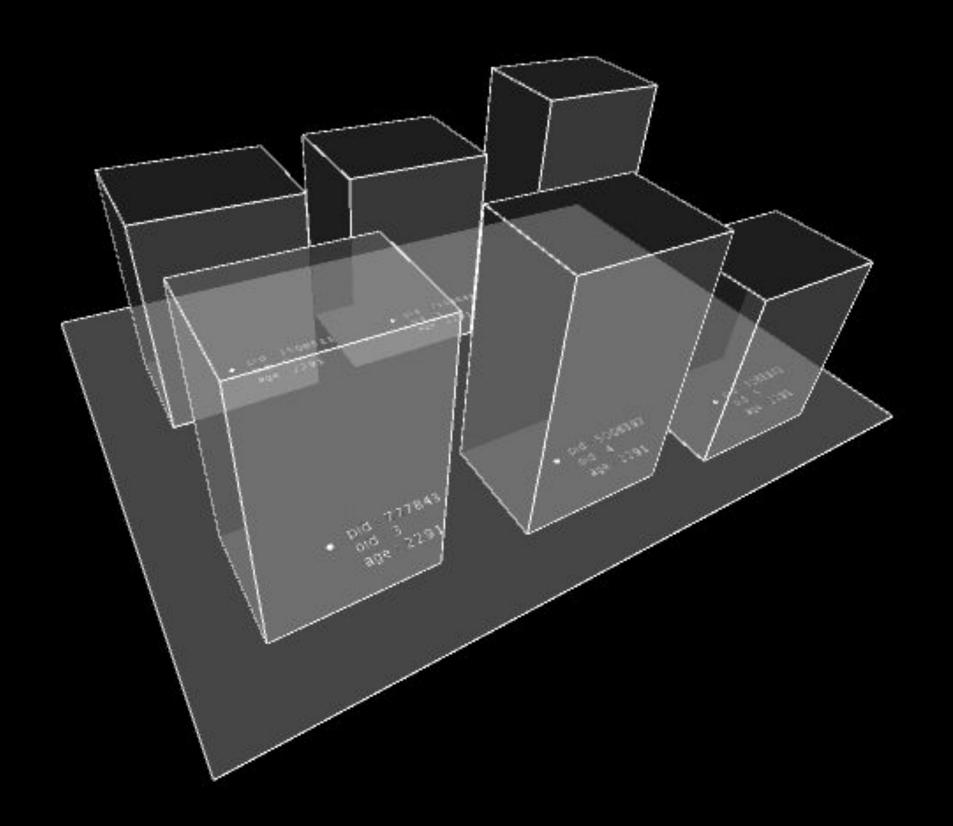
TRACKING DATA

Augmenta® provides the 3D bounding box of every tracked objects or people through the network. The data are :

- Centroid position
- Size of the bounding box
- Speed
- Tracking ID
- Time spent in the zone
- Global number of people
- Global time spent
- Global speed

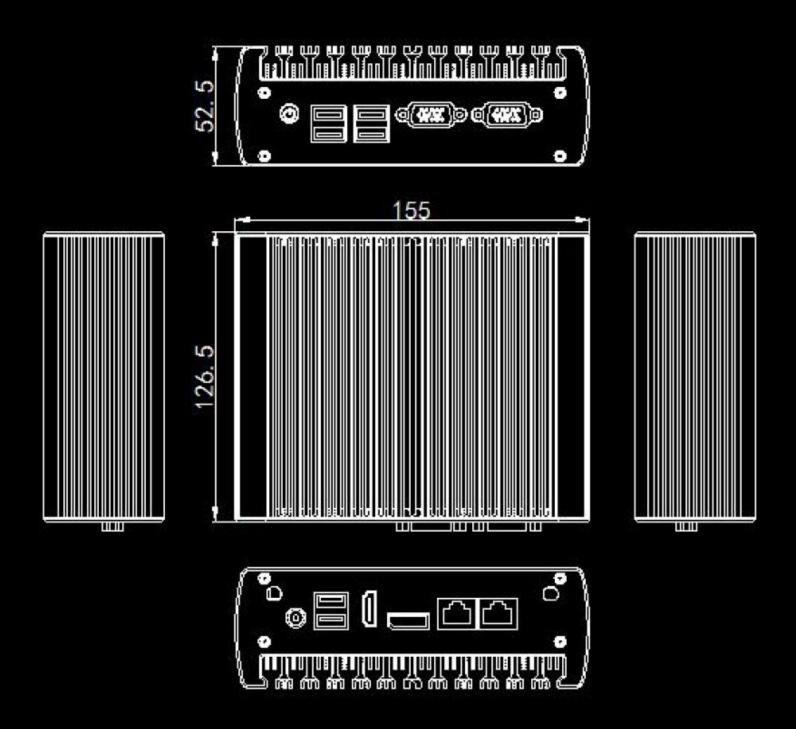
The complete protocol documentation can be found here:

https://github.com/Theoriz/Augmenta/wiki#data

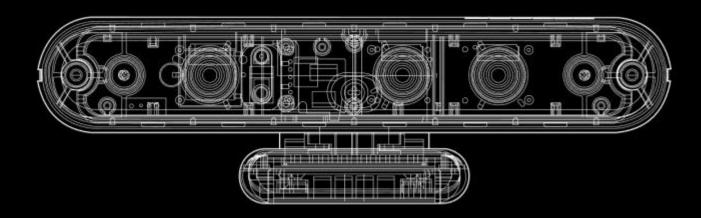


HARDWARE SPEC

AUGMENTA NODE	
Material	Black aluminium (dustproof design)
Noise	0db (Fanless design)
Work temp	-10° / +50°C
Work Humidity	0% / 95% non-condensing
Dimension	155 * 126.5 * 52.5mm
Hanging	VESA bracket or light hook
Remote boot	Electricity and WOL enabled
Remote access	Web interface
CPU / RAM / Disk life expectancy	~10 years (industrial grade)

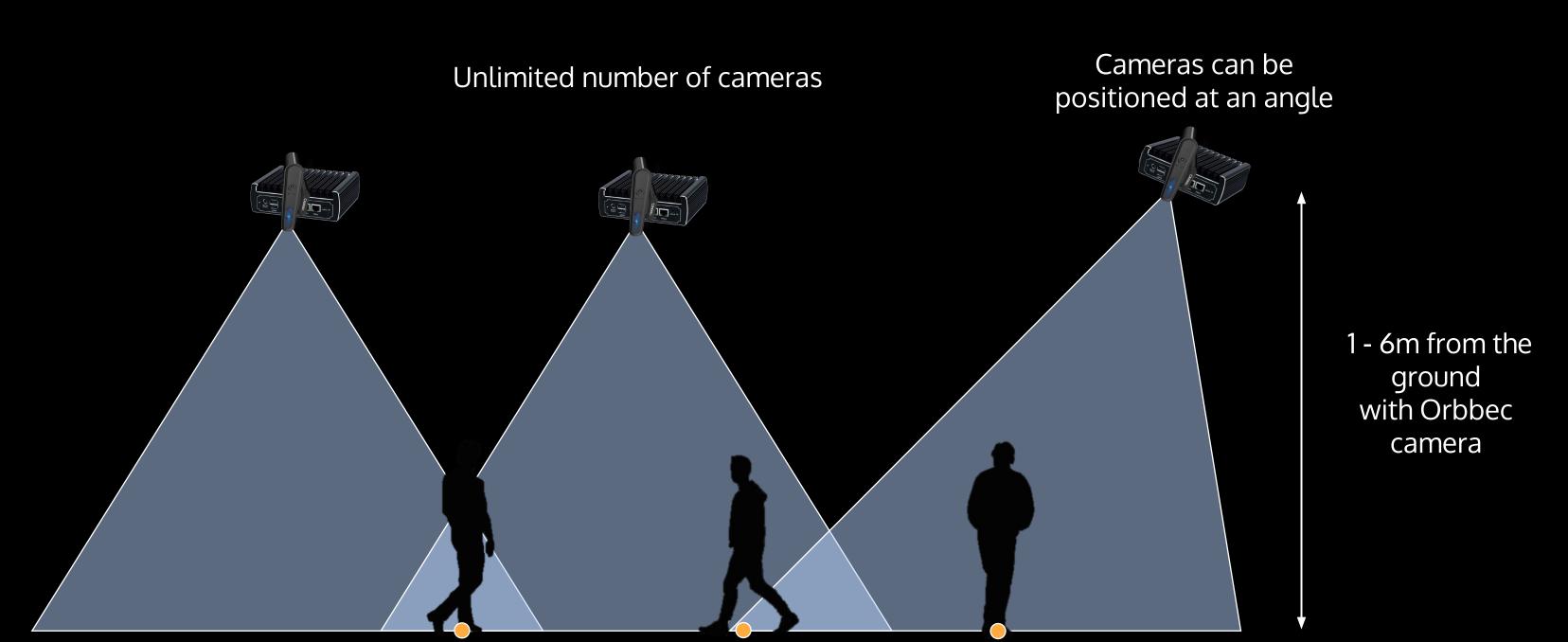


HARDWARE SPEC

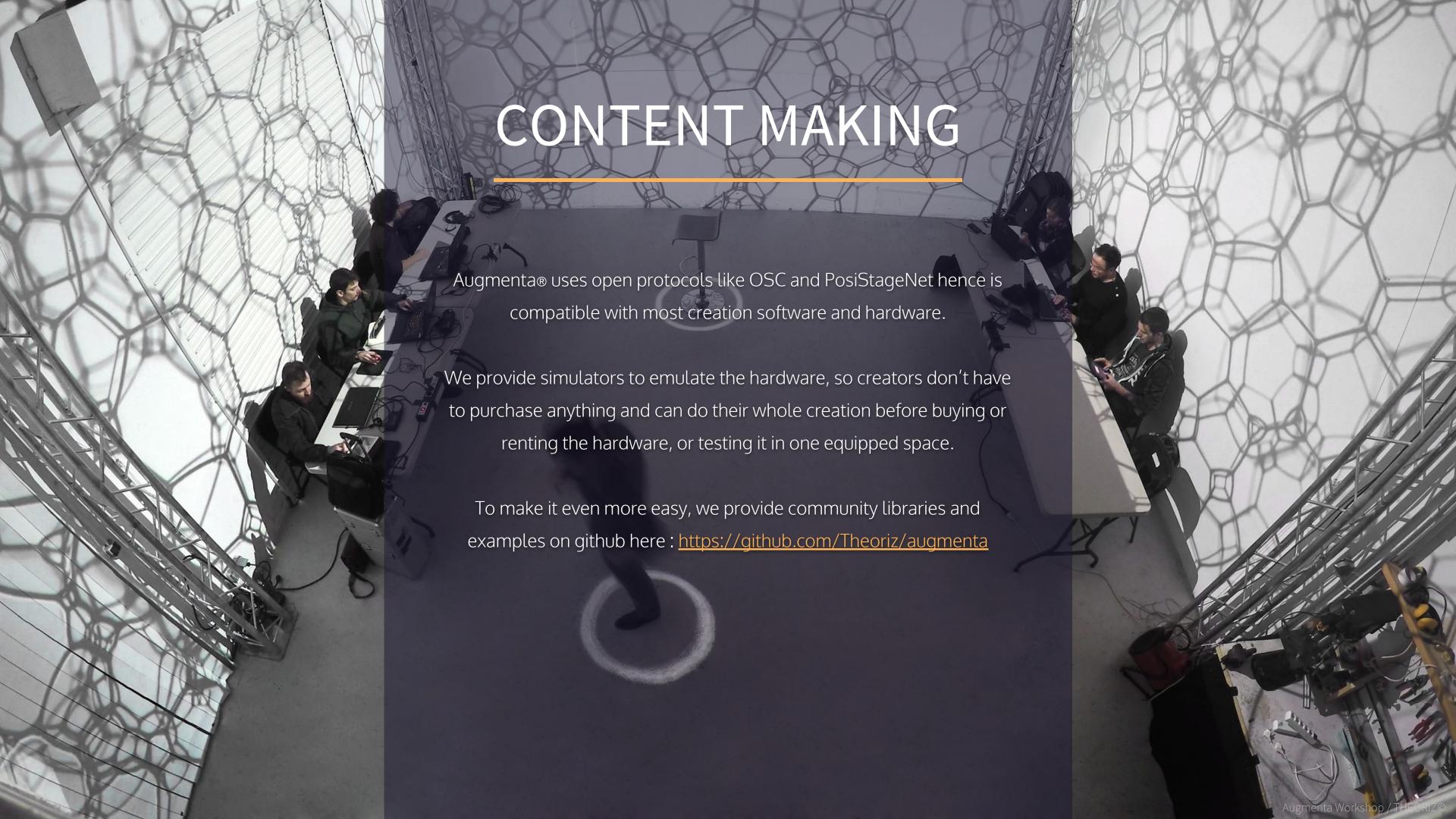


3D CAMERA (Orbbec Astra)	
FOV	60° horiz. x 49.5° vert.
Depth resolution	640x480
Max detection distance	~6m
Number of person tracked	infinite
Approx. weight	1.3 kg
Throw Ratio	0.87:1
Area covered at 5m	~ 5.8m x 4.6m
Data frequency	30Hz
Wavelength	Infrared (~827-850nm)

INSTALLATION



Overlaps are correctly handled





THANK YOU!

AUGMENTA. A tracking technology for creative people

www.augmenta-tech.com contact@augmenta-tech.com













