SHIPPING · RECORDS ON ITS OWN

Super Stereo

Two synchronized global-shutter eyes and a motion sensor that record to their own card, with no computer or receiver box in the loop.



1920×1200	~15 µs	65 mm	500 Hz	10+ h
Per eye, 30 fps, global shutter	Between the two eyes	Between the lenses	Motion sensor, same clock	One continuous recording, 30 fps at p99

What it can do

Records on its own
Video, motion and timing go to its own card. No computer, no receiver box.

Two eyes, one trigger
Both eyes start exposing about 15 µs apart.

Live view on a phone
See both eyes over Wi-Fi to frame the shot, then record.

Start from anywhere
The button on the camera, the phone app, or the SDK.

All day, in one take
10+ hours in one stretch, 30 fps at p99.

Hears the room too
A built-in microphone in every unit.

Days on one power bank
A 20,000 mAh power bank lasts 3 to 4 days.

Calibrated before it ships
Its geometry lives in the camera and is copied into every recording.

Picture

Sensors	Two AR0234, colour, global shutter
Resolution	1920 × 1200 per eye
Frame rate	30 fps (frame spacing 33,333 µs ± 1 µs)
Lens	M12, wide-angle to fisheye
Field of view	Configurable, from 120° up to 210° fisheye

Stereo

Baseline	About 65 mm
Eye sync	One trigger, typically 15 µs apart, under 0.1 ms

Motion

Motion sensor	6-axis gyro and accelerometer
Rate	About 500 Hz
Range	±1000 °/s, ±4 g

Recording

Longest recording	10+ hours in one stretch, 30 fps at p99
Media	Its own microSD card (exFAT)
Video	H.265 MP4, one file per eye
Bit rate	8 to 25 Mbit/s for both eyes (default 12.5 per eye)
Storage use	About 10 GB per hour

Control and connection

Wi-Fi	Live preview, updates and uploads. Off while recording
Bluetooth	Start, stop, status and settings from the app
Button	Short press indoor, hold for outdoor, press again to stop

Power and sound

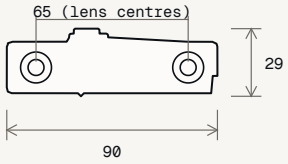
Power	5 V over USB, minimal draw
Battery life	A 20,000 mAh power bank lasts 3 to 4 days
Microphone	Built in, every unit. Lossless mono, 16 kHz

Software

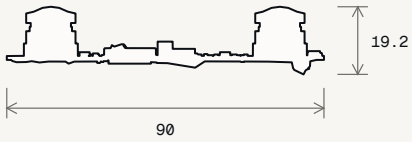
SDK	TypeScript for control, Python for recordings
Calibration	Per unit, in the camera and in every recording

Dimensions

mm, approx.



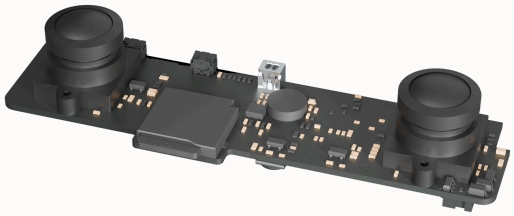
Lens side



Long edge

Board

Board	90 × 26 mm, 29 mm across at the connectors
Height	19 mm with lens holders
Lens spacing	65 mm, centre to centre
Weight	70 to 80 g



The bare board, everything on it

In the box

- Super Stereo
- Calibration, stored in the camera
- Full box contents on request

Good to know

Wireless sync between several Super Stereos and wrist cameras is on the way.

Specifications subject to change. Dimensions are measured from our CAD and are approximate.