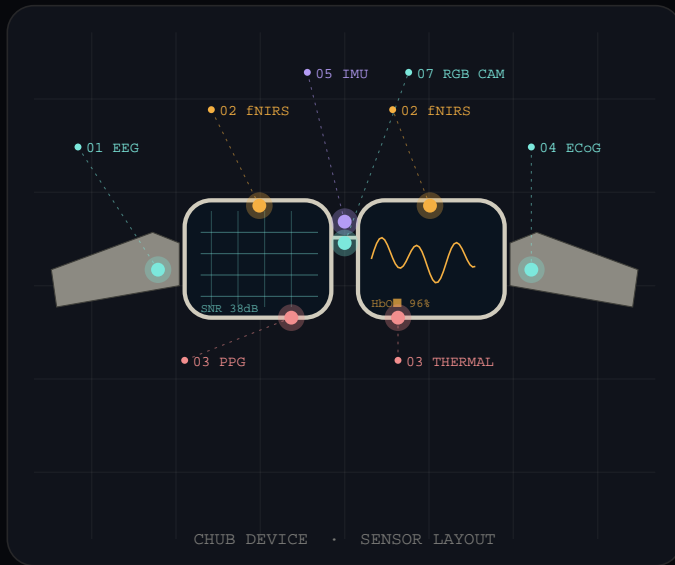


THE CHUB DEVICE · COGNITIVE HEALTH & UTILITY BEACON

# From silence, *signal*.

A wearable neural communication platform for patients in emerging consciousness states. Built to hear the patient who cannot speak.

EEG · FNIRS · IMU · PPG · EDA · THERMAL · RGB CAMERA



## WHAT IT IS

The CHUB Device is a wearable neural communication platform for patients in emerging consciousness states following neurological trauma. Seven sensor modalities in a single minimal form factor.

## WHO IT SERVES

Patients who are aware but unable to communicate by conventional means. A population most brain computer interface companies overlook entirely.

## WHY NOW

Non peripheral communication is the next layer of medical telemetry. CHUB captures cognitive and physiological signals continuously, so caregivers see intent as it forms, not after it is lost.

USE CASES	CLINICAL	DEFENSE	RESEARCH
	Post trauma monitoring	Field operator readiness	Consciousness studies

## HOW IT DIFFERS

- 01 Designed by a scientist who experienced the condition.
- 02 Seven modalities in a single minimal form factor.
- 03 Purpose built for emerging consciousness states.

<p>END TO END LATENCY</p> <p><b>&lt;50</b> ms</p> <p>Event marker to telemetry</p>	<p>NOISE FLOOR</p> <p><b>&lt;1</b> <math>\mu</math>V</p> <p>Analog front end</p>	<p>PROCESS NODE</p> <p><b>10</b> to 12 nm</p> <p>Secure enclave ASIC</p>	<p>COMPLIANCE</p> <p><b>IEC</b> 60601-1</p> <p>HIPAA · ISO 13485</p>
<p>SECTORS</p> <p>MEDICAL · DEFENSE · ENERGY</p>			

FUNDING PATHWAY CDMRP · NSF SBIR · NIH SBIR · Strategic capital

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