

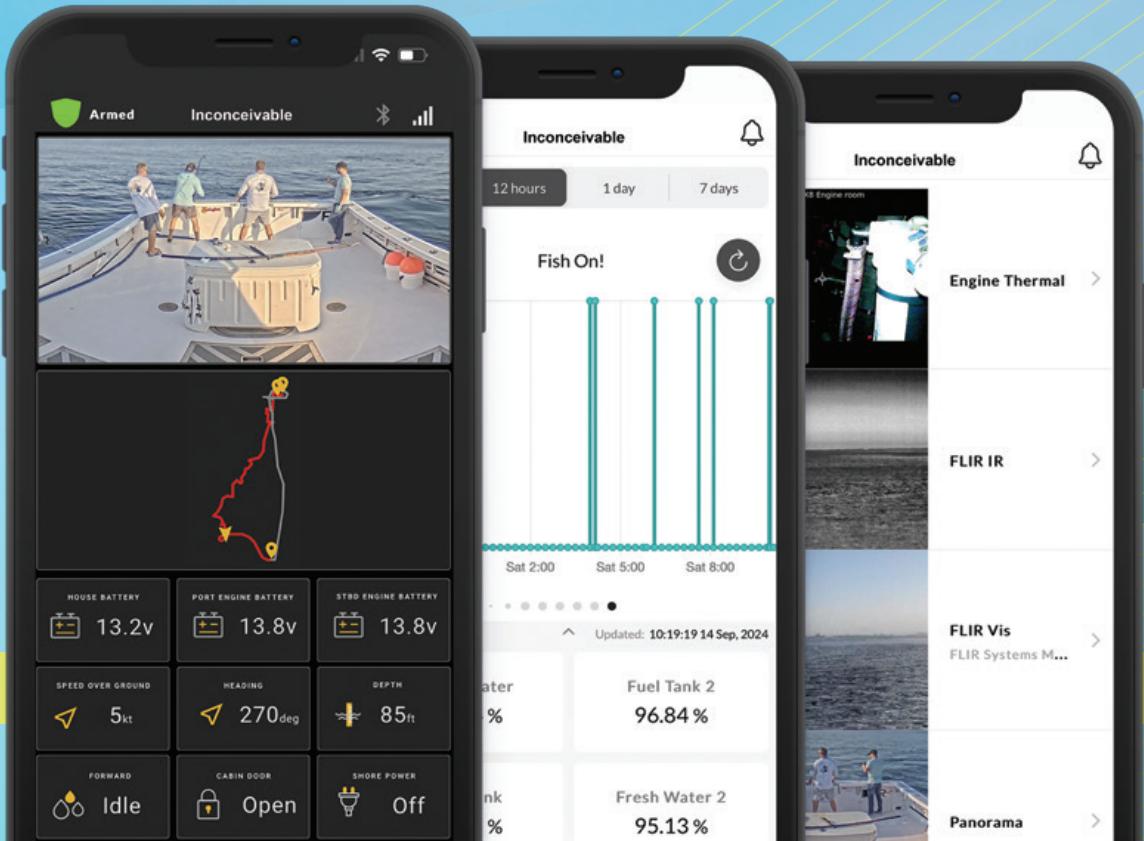


BRNKL . IO

BRNKL 5G + BRNKL BLUE

# 24/7 Vessel Monitoring

## Anytime, anywhere.





**BOOK A FREE DEMO**

Learn more about BRNKL's products, and which system is the right fit for your vessel:  
[brnkl.io/schedule-demo](https://brnkl.io/schedule-demo)

**BARNACLE SYSTEMS INC.**

# Built for the military, designed for you.

Whether you're onboard, or across the globe, **BRNKL gives you full visibility into what's happening on your boat.**

Monitor onboard systems, view cameras, track location, and generate customized alerts – all in one app.

Prior to starting Barnacle, our founder developed remote monitoring and surveillance equipment for the **CIA, US Air Force**, and **Homeland Security**.

BRNKL products are used to protect **Navy, Military, Coast Guard, Police** and **Fire** vessels around the globe.

**BRNKL 5G and BRNKL Blue** give you professional-level protection designed specifically for your leisure vessel.



NMEA's Best New Product of 2024: **BRNKL BLUE**



LEARN MORE.



#### QUESTIONS?

Book a free demo to explore customized 5G security and monitoring kits:  
[brnkl.io/schedule-demo](http://brnkl.io/schedule-demo)



MONITORING AND SECURITY KITS



SATELLITE TRACKING KITS



PREMIUM KITS

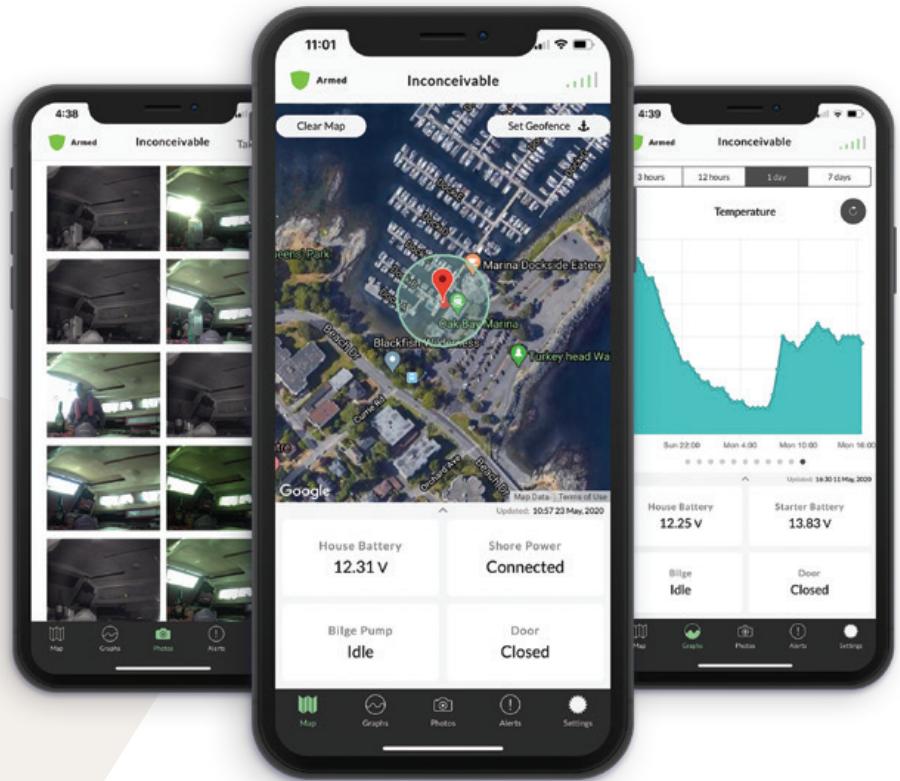


BRNKL 5G

# Monitor, track, secure.

## Stay connected, wherever you go.

Enjoy peace of mind with **BRNKL 5G**. Monitor your vessel's vital systems — and add sensors, cameras, sirens, and more for added connection and security. Our satellite kit offers seamless global connectivity and discounts on insurance.



#### MONITOR

Monitor bilge, battery banks, shore power, temperature, and more.



#### TRACK

Track your vessel's location via GPS, including historical data.



#### SECURE

Trigger sirens, alerts and photos for ultimate security.



#### CONNECT

Connect\* via 5G or satellite

\*Cellular plans start at \$22.50 USD / month, Satellite plans start at \$24 USD / month



LEARN MORE.



#### QUESTIONS?

Book a free demo to explore customized packages designed for your adventure:  
[brnkl.io/schedule-demo](http://brnkl.io/schedule-demo)



SPORTFISHING



CRUISING



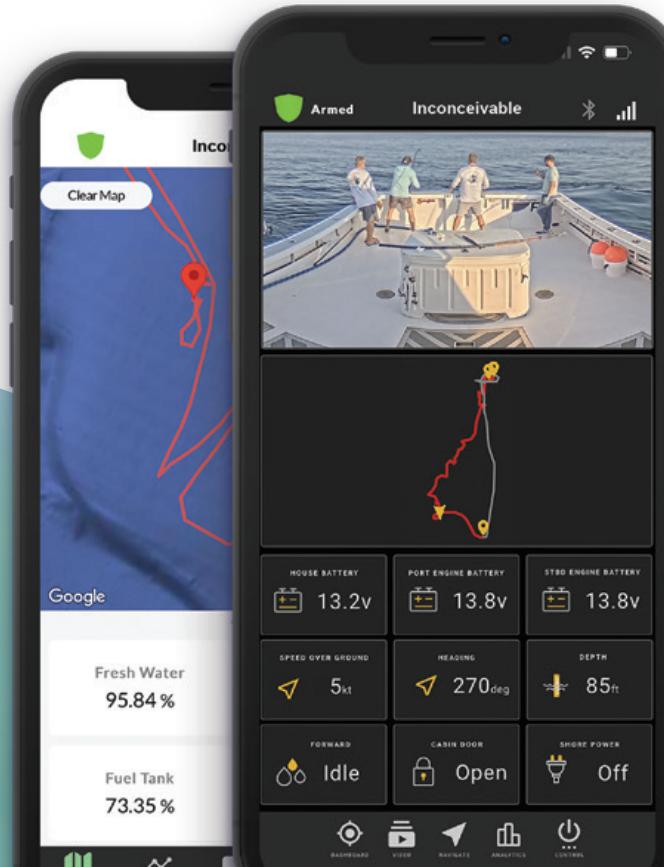
SAILING

BRNKL BLUE

# 24/7 vessel monitoring.

Anytime. Anywhere.

Stay connected 24/7 with the **BRNKL Blue**. Monitor onboard systems, view and record live video, connect to Starlink, and get real-time customized alerts and updates, wherever your adventures take you – **no subscription required**.



#### VIEW + RECORD LIVE VIDEO

Replay your big catch or monitor your boat with a wide range of compatible video cameras.



#### CONNECT TO NMEA 2000

See all of your onboard networks, and devices.



#### STAY PROTECTED

Receive alert-triggered notifications from sirens, sensors, video cameras, and more.



#### FULLY SYNCHRONIZED REPLAY

Replay your location, video and onboard systems — all in one place.



#### USE YOUR STARLINK

Subscription-free connectivity with Starlink or other onboard internet system.

## 5G X BLUE COMPARISON

# Find the BRNKL that best fits your needs.

Whether you're looking to capture still-images or video, connect to cellular, satellite or Starlink, or integrate fully with your vessel's NMEA 2000 and digital switching — we've got a system designed to suit your needs.

FEATURE	BRNKL 5G	BRNKL BLUE
Cellular Communications	✓	✓ (with 3rd party cellular modem)
Satellite Communications	✓ Optional - Iridium	✓ Optional - Iridium (Tracking Only)
Starlink Support	✗	✓
Geofence Alerts + Vessel Tracking	✓	✓
Still-Image Photo Cameras	✓ Optional - Supports 2 Cameras	✗
Video Streaming	✗	✓ Up to 16 Cameras
Video Recording	✗	✓ 1TB or 4TB
Fish On! Event Recording	✗	✓
Battery Monitoring	✓	✓
Bilge Monitoring	✓	✓

## BRNKL 5G

BRNKL 5G is a cost-effective solution that secures, tracks and monitors your vessel. It connects to cellular and optional satellite — with annual cellular plans starting at \$215 USD.

## QUESTIONS?

Book a free demo at  
[brnkl.io/schedule-demo](https://brnkl.io/schedule-demo)

## BRNKL Blue

BRNKL Blue offers in-depth vessel monitoring that captures and records live video, stores up to 4TB of data, connects to NMEA 2000, and to Starlink for subscription-free connection.



FEATURE	BRNKL 5G	BRNKL BLUE
Shore Power Monitoring	✓	✓
Sudden Impact	✓	✓
Temperature & Humidity Monitoring	✓ Built In	✓ Optional - Wireless Sensor
Security Sensors - Wireless or Wired	✓	✓
NMEA 2000 Support	✗	✓
Digital Switching Support	✗	✓
Modbus TCP Support	✗	✓
Fleet Tracking	✓	✓
Mobile App - iOS & Android	✓	✓
Online Dashboard for tablet/Mac/PC	✓	✓

## TECH SPECS

## BRNKL 5G

## GENERAL

Dimensions	5"x 3.54" x 1.97"
Weight	0.53 lb (0.24kg)
Temperature	-20°C to +75°C / -4°F to 167°F
Power Consumption	<20uA (standby), <35mA (active)
Antennas	GPS (external), Mobile network (external)
Mounting	Mounting plate
Battery	1200mAh
IP Rating	N/A

## MOBILE DATA NETWORK

Coverage	Network coverage worldwide
5G/4G LTE-M	Cat-M1
Service	Data only - Annual or monthly
Service Provider	Barnacle Systems

## SENSORS

GPS Receiver	GPS, Galileo, GLONASS, BeiDou
Accelerometer	±16g; 16384 LSB/g
Gyroscope	±125 deg/sec; 262.4 LSB/deg/sec
Temperature	-20 to +75°C; ±3°C
Humidity	±3% relative humidity
Barometric Pressure	±0.25%; ±1.5 Pa/K

## CONNECTIONS

Analog Inputs	4 wired (5-32V DC)
Digital Inputs Power	2 wired (9-32V DC)
Digital Inputs Ground	4 wired
Digital Outputs Ground	2 wired (1.5A max)
Ground Connections	2 wired
External Device Port	1 wired (proprietary)
Antenna Ports	2 SMA ports

## BRNKL INTERFACE

Mobile Devices	iOS app, Android app, browser
Browser Compatibility	Chrome, Safari, Firefox, Edge

Required Connection	Internet connection
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## STATUS INDICATOR

LED indicator light
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## STILL-IMAGE CAMERA

Resolution	800 × 600
Connection	Wired, proprietary cable
Night Vision	Infrared image sensor
Water Rating	IP65
Cable Length	2m (can be extended)

## INCLUDED ITEMS

BRNKL, external cell and GPS Antenna
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## WARRANTY

2 year warranty
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## TECH SPECS

## BRNKL Blue

## GENERAL

Dimensions	9.57" x 8.43" x 2.52"
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Weight	3.34 lbs (1.52kg)
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Temperature range	-20°C to 75°C / -4°F to 167°F
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Environment	Indoor (no IP rating)
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Mounting	Flange
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## POWER

Average consumption	500 mA
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Maximum consumption	2 A at 12 V DC
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Internal battery capacity	3000 mAh
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## CONNECTIONS

Power input	10.5 V to 60 V DC
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Analog/Digital selectable input (0-60 V DC)	7
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Output (maximum 1.5 A)	2
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Ethernet port	1
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NMEA 2000 port	1
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Serial port (RS232)	1
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Wi-Fi antenna port (SMA)	1
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GNSS antenna port (SMA)	1
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## STORAGE

Internal	1 TB or 4 TB
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Cloud	Optional
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## STORAGE

GNSS	GPS/QZSS, Galileo, GLONASS, BeiDou
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Accelerometer	±16g; 16384 LSB/g
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Gyroscope	±125 deg/sec; 262.4 LSB/deg/sec
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## STATUS INDICATORS

Power, data, communication.
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## CAMERA INTEGRATION

(Cameras sold separately)
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Supported protocols	RTSP
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Application interface	ONVIF Profile S, ONVIF Profile T
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Recommended brands\*: Axis, FLIR, Furuno, Garmin, Raymarine, HIKVision, Omnisense, VIVOTEK, Navico

## INCLUDED ITEMS

BRNKL, power cable, connector cable, USB to ethernet adapter, GNSS antenna, Wi-Fi antenna, security decal, documentation

## WARRANTY

2 year warranty

\*View a full list of supported video cameras at: <https://help.brnkl.io/>



# BRNKL

**BRNKL.IO**  
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