

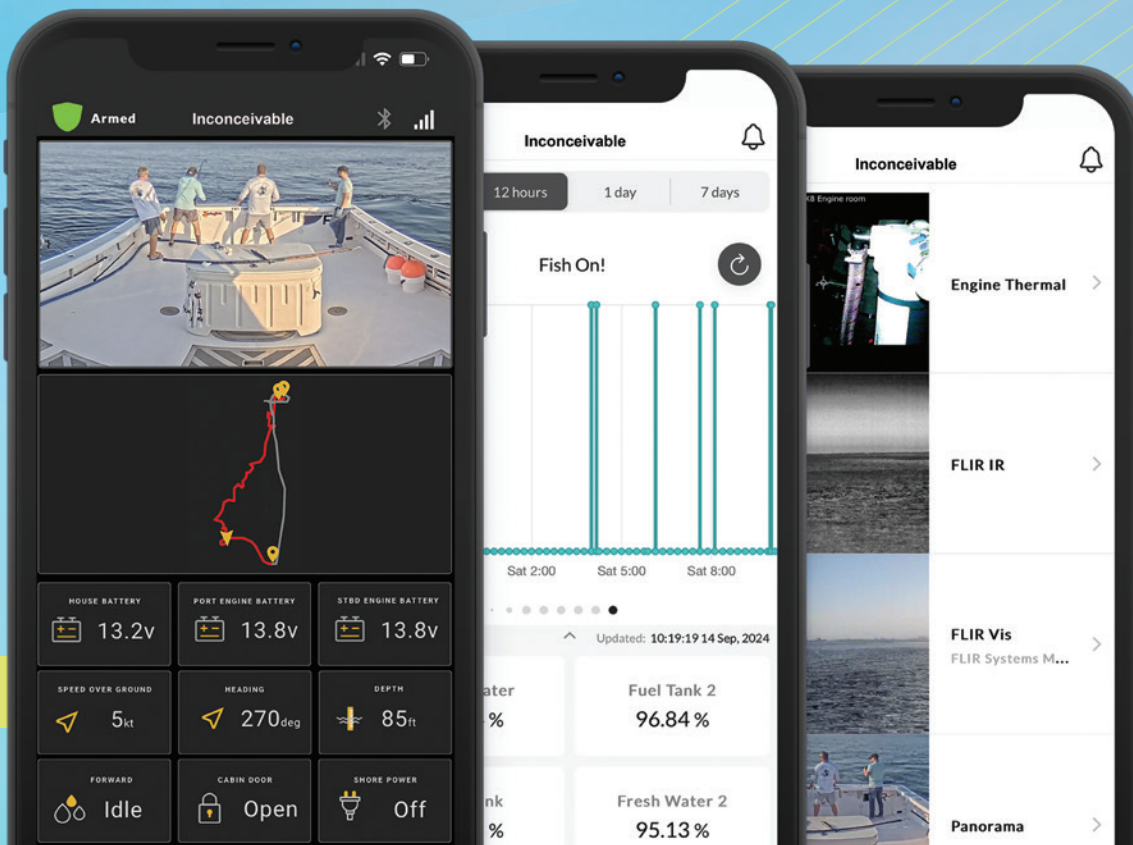


BRNKL . IO

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

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.**

BRNLK 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**



QUESTIONS?

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



MONITORING AND SECURITY KITS



SATELLITE TRACKING KITS



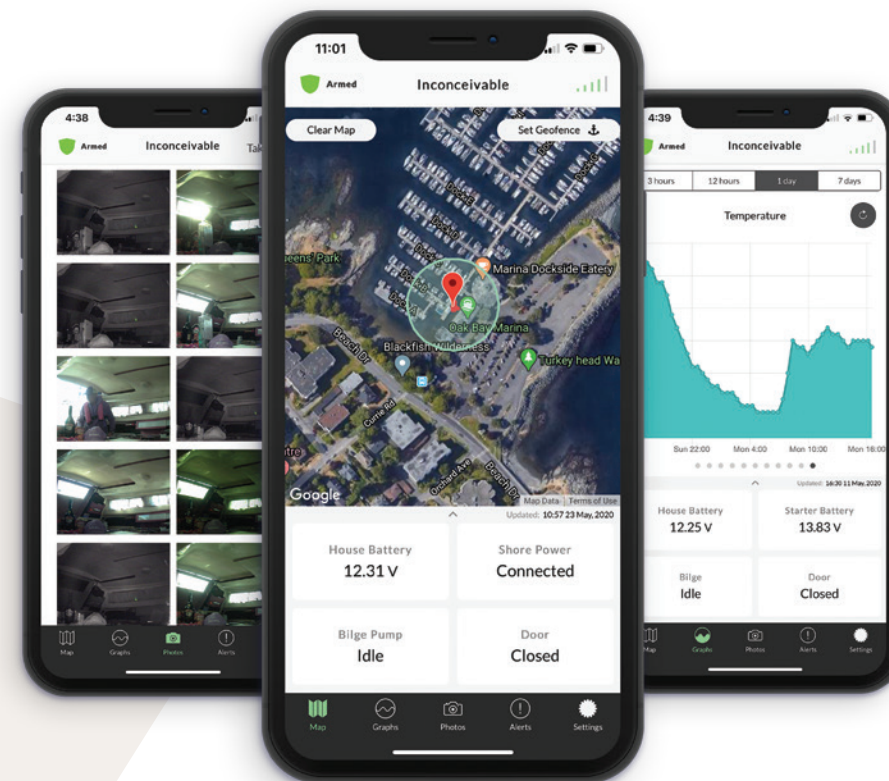
PREMIUM KITS

BRNKL 5G

Monitor, track, secure.

Stay connected, wherever you go.

Enjoy peace of mind with **BRNKL 5G**. Monitor your batteries, bilges and shore power connection. Add satellite, sensors, cameras, and more for added connection, security, 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 subscriptions start at \$215 USD / year.



QUESTIONS?

Book a free demo to explore customized packages designed for your adventure: brnkl.io/schedule-demo



SPORTFISHING



CRUISING



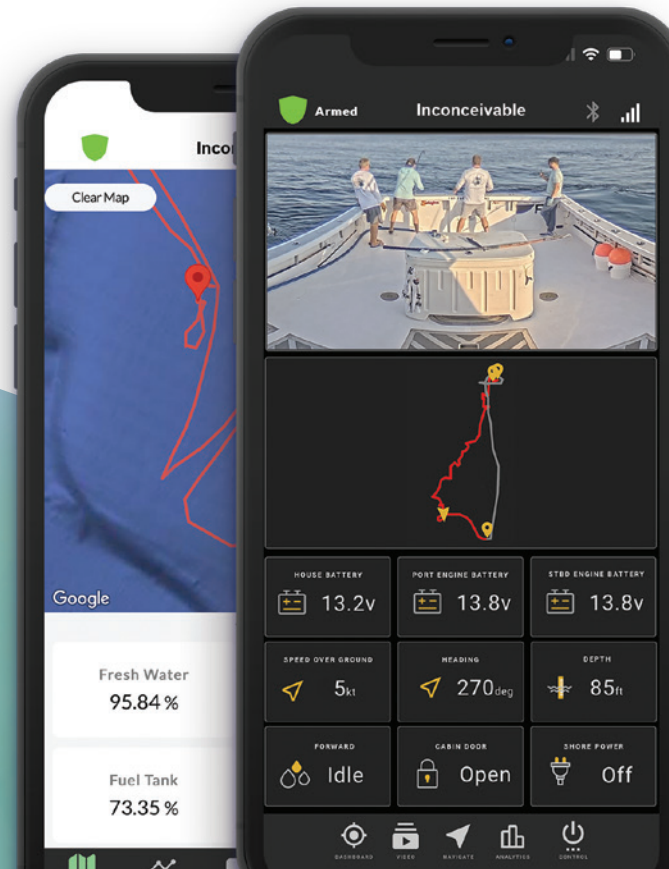
SAILING

BRNKL BLUE

24/7 Vessel Monitoring.

Anytime. Anywhere.

Stay connected 24/7 with the **BRNKL Blue**. Monitor onboard systems, view and record live video, and get real-time customized alerts and updates – **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, protocols 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.

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.

QUESTIONS?

Book a free demo at brnkl.io/schedule-demo



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	✓	✓

BRNKL 5G

GENERAL	
Dimensions	5"x 3.543" x 1.9685"
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
STATUS INDICATOR	
LED indicator light	
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	
WARRANTY	
2 year warranty	

BRNKL Blue

GENERAL	
Dimensions	9.567" x 8.425" x 2.5197"
Weight	3.34 lbs (1.52kg)
Temperature range	-20°C to 75°C / -4°F to 167°F
Environment	Indoor (no IP rating)
Mounting	Flange
POWER	
Average consumption	500 mA
Maximum consumption	2 A at 12 V DC
Internal battery capacity	3000 mAh
CONNECTIONS	
Power input	10.5 V to 60 V DC
Analog/Digital selectable input (0-60 V DC)	7
Output (maximum 1.5 A)	2
Ethernet port	1
NMEA 2000 port	1
Serial port (RS232)	1
Wi-Fi antenna port (SMA)	1
GNSS antenna port (SMA)	1

STORAGE	
Internal	1 TB or 4 TB
Cloud	Optional
STORAGE	
GNSS	GPS/QZSS, Galileo, GLONASS, BeiDou
Accelerometer	±16g; 16384 LSB/g
Gyroscope	±125 deg/sec; 262.4 LSB/deg/sec
STATUS INDICATORS	
Power, data, communication.	
CAMERA INTEGRATION	
(Cameras sold separately)	
Supported protocols	RTSP
Application interface	ONVIF Profile S, ONVIF Profile T
<i>Recommended brands*</i> : 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.IO
SALES@BRNKL.IO
1.877.552.7655

1327 BEACH DRIVE
VICTORIA, BC
V8S 2N4 CANADA