

Marine Monitor M2



protectedseas

End-to-End Solution for Situational Awareness of the Nearshore Marine Environment

OVERVIEW

ProtectedSeas Marine Monitor (M2) software improves coastal monitoring through affordable, easy to use technology solutions that enhance the protection of marine resources. With the M2 Cloud Viewer users can remotely access M2 radar system data and play back recorded tracks for further analysis. With these data, patrols can be deployed to specific locations within a managed area, making monitoring and enforcement more strategic and effective.

KEY BENEFITS

- 24/7 monitoring and data collection
- Strategic engagement with vessels in restricted areas
- Increased protection of vulnerable marine ecosystems
- Saves time and money

KEY FEATURES

- Easy to use browser-based user interface
- Remote connection via cloud based user interface
- 24/7 real time surveillance of vessel activity
- Record and playback tracks in managed areas
- Customizable security zones and configurable alarms
- Sortable visual database
- Data optimization via customizable exclusion zones
- Alarm notifications via SMS or Email
- Automated reporting
- Raw radar return overlay over maps and charts
- Integration with multiple sensor packages
- Detection of small boats out to 5 nautical miles
- Off-grid power capabilities for remote areas

M2 APPLICATIONS



Enforcement



Safety



Science



Security

FOR MORE INFORMATION ABOUT MARINE MONITOR:
VISIT OUR WEBSITE AT M2MARINEMONITOR.COM OR
CONTACT THE M2 TEAM AT M2@PROTECTEDSEAS.NET

Available Marine Monitor (M2) Options

M2 SOFTWARE



- Easy to use, browser-based, desktop or mobile
- Connect anywhere via cloud based user interface
- 24/7 real time surveillance of vessel activity
- Record and playback tracks
- Up to 25 customize security zones with configured alarms
 - Additional zones can be added for an additional cost
- Alarm notifications via SMS or Email
- Access automated reporting for strategic enforcement
- View raw radar overlay to investigate faint signals
- See confidence scores of tracks both real-time and historical to more easily filter out false signals

M2 SYSTEM RADAR HARDWARE PACKAGE



- Software integrated with Furuno radar hardware
- Track up to 100 targets at one time
- Detect small vessels up to 5 miles offshore
- Compact computer for M2 software processing
- Integrated with AIS Sensor to overlay AIS info on tracks
- Remotely manage configuration and duty cycle

M2 SYSTEM WITH PAN TILT CAMERA



- Integrated with daytime pan-tilt camera
 - Possible integration with any NDAA compliant, IP, ONVIF conformant camera
- Night-time camera integration available at additional cost
- Track and Photograph up to 30 targets at once
- Photographs displayed on M2 software tracks
- Access camera and control remotely
- Local and Cloud Photo Storage and Management

MOBILE MARINE MONITOR (M3)

- M2 deployed in ruggedized off-grid trailer
- Integrated with custom telescoping mast
- Self-contained Solar power and off-grid batteries
 - 2.2 kW of Solar Panel Capacity
 - 30 kWh of backup battery storage
 - Remote battery management system
- Mobile, Road transportable off-grid system with self-contained power (5-days of autonomy)
- Compact configuration can be shipped internationally

Full System Deployment Options Available - Priced by Site

