



# MUTUAL AID BOX ALARM SYSTEM

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December 2, 2025

To: Vendors

From: Bernie Lyons, Administrative Section Chief, MABAS-Illinois

Re: Invitation to participate in a competitive bid process for Hazardous Materials Detection Units

The Mutual Aid Box Alarm System (MABAS) Illinois is the managing recipient of grant funds through the Illinois Office of the State Fire Marshall (OSFM). This is a competitive bid process utilizing performance-based specifications.

MABAS-Illinois is a state-wide agency that assists Fire Departments throughout the State of Illinois in times of emergency beyond their local capabilities. Part of this assistance includes securing assets, and strategically placing those assets where they can be used most effectively.

MABAS currently has search camera systems throughout the state. These units have reached the end of their projected service life. MABAS anticipates beginning to replace these units over a 2-4-year project span. In 2025, MABAS expects to replace 20-30 units depending on grant funding allowances. In addition to per unit pricing, please identify any pricing discounts based on the number of units purchased. The bid should factor the trade-in of the current camera system's imaging head technology device (not the whole kit).

The MABAS-Illinois Technical Rescue Committee has evaluated existing units available on the market place and has developed the following specifications for a search camera system. Your business is invited to participate in a competitive bid process.

### **Technical and Performance Based Specifications of the Search Camera System**

1. The search camera must use 360° spherical image technology.
2. The search camera must not have any moving parts, gears or any mechanisms that move a camera head left and right.
3. The search camera must connect to a mobile app on both Android and iOS tablets.
4. The search camera must have an option to be connected wired with a minimum of 90 meters.
5. The search camera must have CE certification.
6. The search camera must have the capability to operate wireless or wired.
7. The search camera must have an Ingress Protection (IP) rating of IP68. Able to withstand wired operation underwater for 30 mins up to a depth of 3 meters.

8. The search camera must be powered by a lithium ion rechargeable battery with a built-in protection circuit.
9. The search camera kit must come with a minimum of (6) batteries.
10. The search camera must be able to hot swap batteries or replace batteries without having to turn the camera off.
11. The search camera must be able to connect to at minimum 4 mobile devices at the same time.
12. Each of the multiple mobile devices connected must be able to independently search the live image.
13. The search camera must weigh no more than .55 kgs with batteries installed on its own.
14. The search camera must come with a hard case, mobile tablet, 3M extended telescoping pole and accessories to operate effectively.
15. The search camera must come with a technical warranty of no less than two years for the search camera system against manufacturing defects, commencing from the date of receipt.

#### **Instructions to Bidder**

1. Include a Letter of Intent from your dealership, and on appropriate letterhead, vendor or manufacturer stating you intent and desire to do business with MABAS-Illinois. Assure it is signed by an authorized agent for your business.
2. Include all attachments defining the product, warranties, your dealership, et. Which you feel will assist in your successful award of a purchase order for the project.
3. The above information can be sent via email to:
  - a. Administrative Section Chief Bernie Lyons at: [lyons@mabas-il.org](mailto:lyons@mabas-il.org)
  - b. Attn: Search Camera System Competitive Bid
4. Assure delivery of bid NO LATER than January 6, 2026 at 4:00 PM CST