



**A9X**  
CYBER SECURITY

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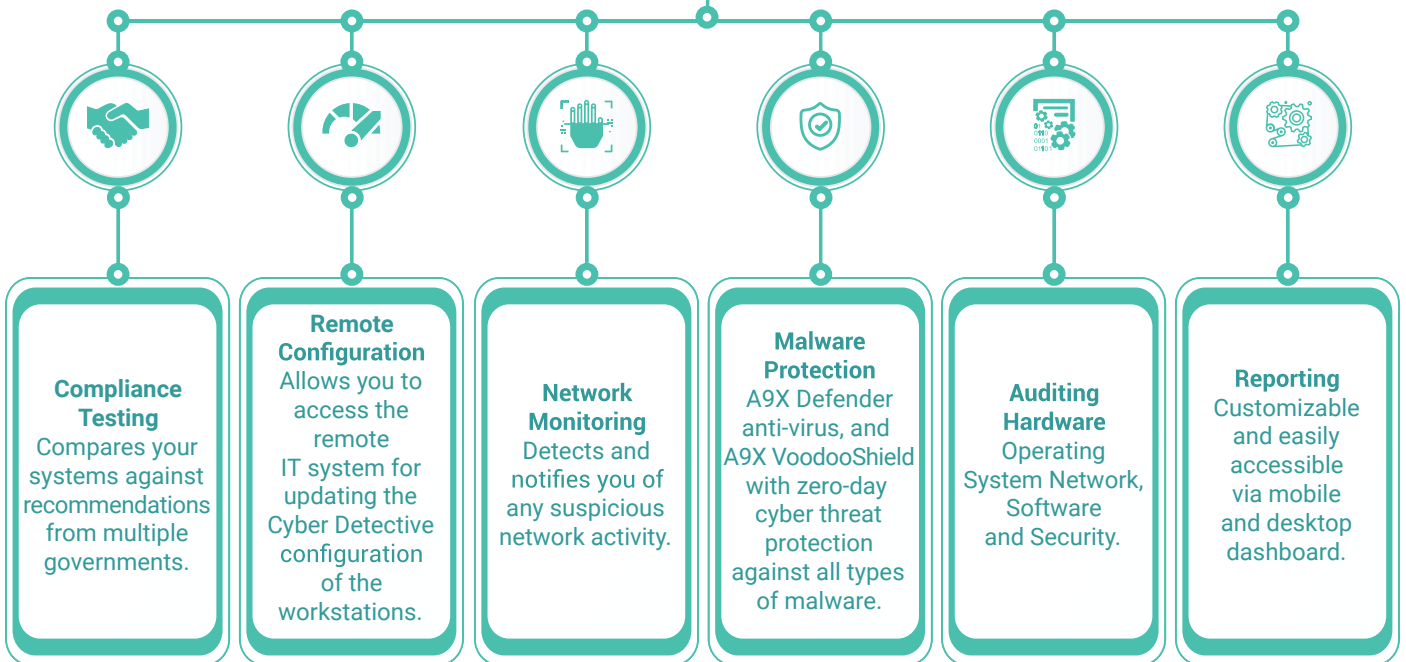
# A9X CYBER DETECTIVE SOFTWARE

**IDENTIFYING, MONITORING, AUDITING, MANAGING & PROTECTING YOUR IT SYSTEMS**

Are your IT and Operational systems all monitored in real-time for malware attacks, threats, and intrusions? Are they secure and do they already comply with IMO code (resolution) MSC 428 (98) for Cyber Security Risk Management effective January 2021?

Developed specifically for the offshore industry, A9X Cyber Detective (ACD) is a bespoke maritime cybersecurity software optimized with up to 100-1 file size reduction for economical transfer over slow satellite links and low bandwidths systems.

**FOR A FREE TRIAL CONTACT [SALES@A9X.COM](mailto:SALES@A9X.COM)**



## WHY YOU NEED A9X CYBER DETECTIVE

The A9X Cyber Detective (ACD) is a smart software solution developed to address Cyber Security at sea, and IMO Cyber Security Risk Management compliance. Easy to deploy, lightweight 62 MB installation file with daily reporting optimized to a few KB's.

ACD helps you to manage and secure remote IT networks onboard vessels, and offshore installations. It has been designed to work over slow and volatile satellite data connections. ACD provides the following services:

- Builds a regular scheduled report of your remote workstations including installed software and hardware, network inventory, missing Microsoft hotfixes and potential consequences, firewall status, known exploits based on current software versions and anti-virus status.
- Detailed compliance testing against using recommended security configurations from NIST, American and Australian governments.
- Minimal data usage due to compression and advanced data-replication technology, ensuring only transmitting information that has changed is sent.
- Detects, identifies and protects against cyber threats, alerts the IT team onshore who can then respond remotely to neutralize the threats.
- ACD provides a comprehensive solution to help you to implement a robust Cyber Risk Management System.



## BENEFITS

- **Transparency.** Central management and reporting of all workstations at all remote sites. Complete transparency.
- **Pro-activeness.** See what weaknesses there are in your remote systems and how to resolve them before your security is breached.
- **Compliance.** Ensure you are meeting all recommendations from government organizations on Cyber Security.
- **Reduces the need to physically attend vessels and or help your IT Engineers to prepare for vessel visits.**

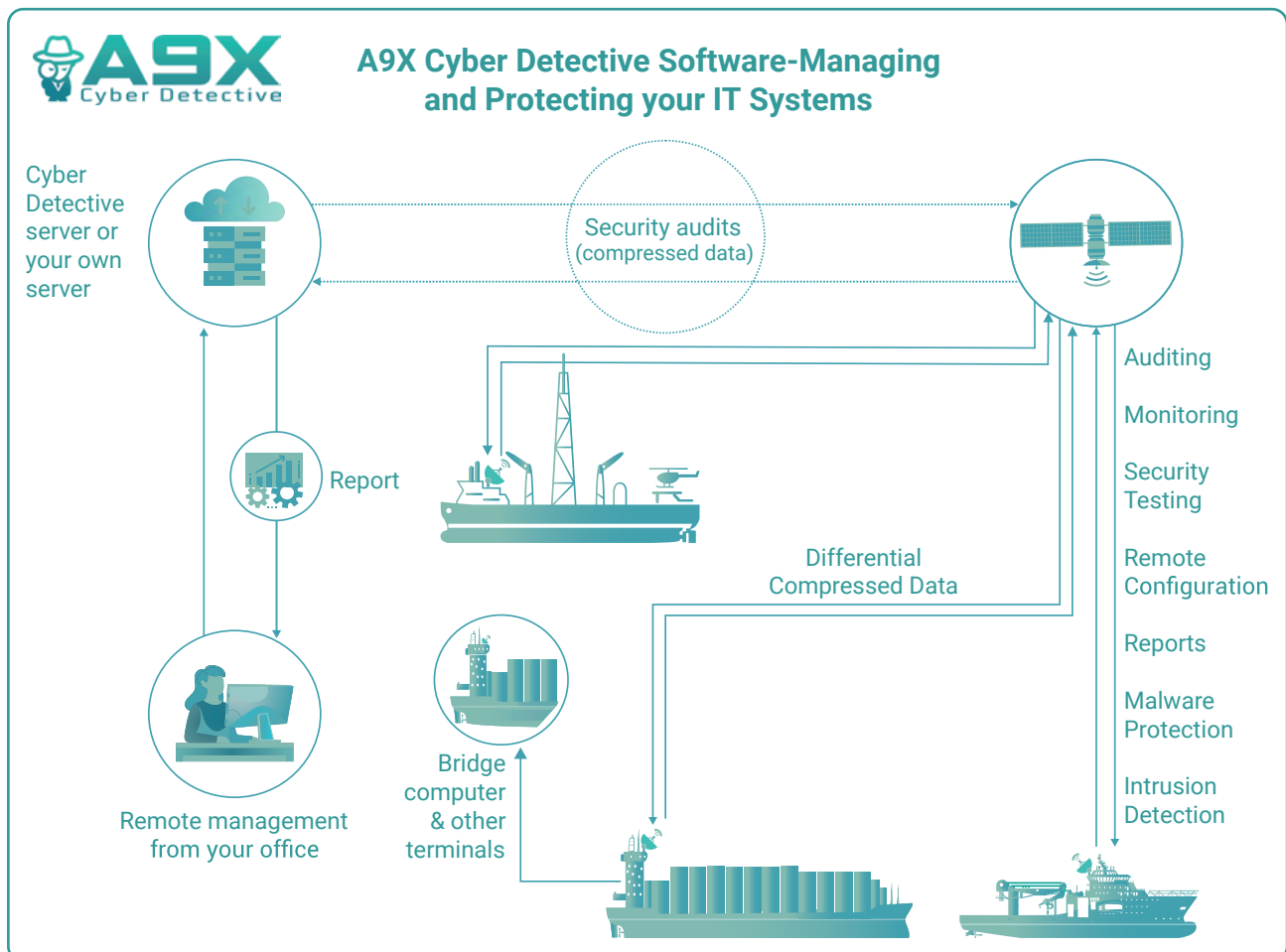
**System Requirements** - Windows 10+, 2 GB RAM and 150MB Disk Space.

## HOW DOES IT WORK

Installation is quick and simple, can be done by crew. Only a single license key is required – system automatically configures itself by downloading settings from shore.

Communications PC onboard runs the ACD client and handles all network communication with the ACD cloud.

Each workstation runs the ACD agent and monitors, audits and collects data at scheduled intervals. Agents transmit collected data to ACD client for transmission to shore.



# CYBER RISK MANAGEMENT APPROACH

## BIMCO - MARITIME COUNCIL'S GUIDELINES\*

VS

## A9X CYBER DETECTIVE - IT HARDWARE/ SOFTWARE COMPLIANCE

### Identify Threats

Understand the external cyber security threats to the ship. Understand the internal cyber security threats posed by inappropriate use and lack of awareness.



### Compliance Testing

Compares your IT systems against rules & recommendations from multiple government & maritime council's guidelines: NIST, BIMCO, etc.

### Identify Vulnerabilities

Develop inventories of on board systems with direct & indirect communications links. Understand the consequences of a cyber security threat on these systems. Understand the capabilities and limitations of existing protection measures.



### Network Monitoring

Intrusion detection scans your IT systems, detects & alerts, notifying you of any harmful activity, or policy breaching.

### Assess Risk Exposure

Determine the likelihood of vulnerabilities being exploited by external threats. Determine the likelihood of vulnerabilities being exposed by inappropriate use. Determine the security & safety impact of any Individual or combination of vulnerabilities being exploited.



### Malware Protection

Multi-layer protection protects you from all types of malware. A9X Defender & A9X VoodooShield with machine learning / AI, provides zero-day threat protection from new malware that Anti-virus doesn't have signatures for yet.

### Develop Protection & Detection Measures

Reduce the likelihood of vulnerability being exploited through protection measures. Reduce the potential impact of a vulnerability being exploited.



### Remote Configuration

Allows you to both install & access the Cyber Detective remotely & update the configuration of the PC's onboard.

### Establish Contingency Plans

Develop a prioritised contingency plan to mitigate any potential identified cyber risk.



### Auditing

Hardware, Operating System, Network, Software and Security. Providing potential early warning of any imminent exposure to malware threats / PC failures.

### Respond To & Recover From Cyber Security Incidents

Respond to & recover from cyber security incidents using the contingency plan. Assess the impact of the effectiveness of the response plan & re-assess threats & vulnerabilities.



### Reporting

Customize the information from the above audits. Reports sent via email or downloadable from the dashboard. Accessible via mobile and desktop dashboards.

\*ISSUED BY BIMCO, CLIA, ICS, INTERCARGO, INTERMANAGER, INTERTANKO, OCIMF, IUMI AND WORLD SHIPPING COUNCIL

## WHO IS A9X CYBER SECURITY

A9X Cyber Security has a vision of "being the preferred vendor for cyber security management at remote locations"

Mission of A9X Cyber Security - providing Cyber Detective Security, and specialized knowledge for remote locations

- Cost effective
- Yielding results
- Being creative
- Effective communication
- Respecting our shareholders, employees, customers, vendors and the general public



A9X Cyber Detective was developed by specialist software developers (20 years plus experience in developing maritime communication systems), which means that the ACD system will be constantly improving and will always keep ahead of regulations.