# CyberScope®
## Network Vulnerability Scanner

### Fast and comprehensive security assessments at the edge

- Endpoint and Network Discovery
- Rogue AP and Client Location
- Network Vulnerability Assessment
- Wired & Wireless Security Confirmation
- Segmentation & Provisioning Validation

### Overview

Complete visibility. It's what you need but despite all the resources you have, there are still critical gaps. Today's dynamic and accessible edge networks, with their proliferation of endpoints (IT/OT/IoT) and increasing Wi-Fi use cases are often beyond the sight of central platforms.

CyberScope offers unique and comprehensive network security assessment, analysis and reporting from a single, powerful, portable tool:

- **Validates wired and Wi-Fi edge infrastructure hardening and controls**
- **Inventories everything including IoT, OT, and unmanaged devices**
- **Generate secure baselines, rapidly identify deviations and questionable activity**
- **Quickly test and demonstrate security policy compliance**

As a ruggedized, purpose-built all-in-one tool, CyberScope is a network security solution that eliminates the use of fragile laptops and tablets. With multiple functions, it provides fast, actionable insights on-prem into your edge networks, filling the critical visibility gaps that other cybersecurity tools may not address.

### Security Assessments Simplified

Security practitioners and network engineers can use CyberScope to quickly identify every Ethernet, Wi-Fi, and BT/BLE device on your edge network, pinpoint exactly where it is connected, and instantly determine if it is friend or foe.

### CyberScope Integrates Nmap

Nmap technology is fully integrated in CyberScope with a simplified user interface making scan execution easy for beginners while providing advanced features for experienced users, helping reduce the risk of successful attacks. Nmap endpoint audits can be executed as part of network discovery against every device, as targeted probes using CyberScope's AutoTest, or run as needed with built-in or custom scripts.

**NOTE:** CyberScope is available in three different versions. The full function CE version includes wired Ethernet and wireless (Wi-Fi and BT/BLE) capabilities. Wired only (XRF) and wireless only (AIR) models are also available - specific capabilities depend on the version.

### Key Features

- **Wi-Fi visibility** - Real-time 2.4, 5, and 6 GHz bands situational awareness; visibility into essential Wi-Fi-7 parameters (including MLO) is ideal for confirming deployment of 802.11be access points and assessing client support.
- **Wi-Fi security audits** – Detect security issues like improper Wi-Fi security protocols, client isolation, suspicious broadcasts, and rogue devices.
- **Discovery with integrated vulnerability scanning** – Find all infrastructure and IoT/OT/ICS devices, spot unauthorized equipment, and check for security gaps using Nmap. Compare against known-good setups to spot potential risks.
- I**ntegration of Nmap with AutoTest** – One-button tests includes connectivity testing and network vulnerability scanning. The streamlined interface makes Nmap's capabilities accessible without command-line expertise.
- **Automated discovery monitoring** – Create security snapshots and send regular scans to Link-Live™ to catch new, missing, or changes in devices that might signal attacks.
- **Link-Live™ collaboration, reporting, analytics, and dashboard platform** – Share results and work together as a team, regardless of location. Improve security assessments with better collaboration.

## Models & Accessories

Wi-Fi regulatory compliance implementation of the 6 GHz spectrum varies by country. CyberScope models are available in three versions: Full Tri-Band (capability across the entire 6GHz band), Partial Tri-Band (capability for only certain channels in the 6 GHz band as determined by 802.11d regulatory domain information), and Dual Band Only (for countries where operation in the 6 GHz band is not allowed.)

**NOTE:** All new CyberScope mainframes are sold with the first year (one-year) of AllyCare Premium support included. Additional year(s) of support may be added. Product registration and activation is required within 30 days of first power-on.

| | Model Number / Name | Description |
|---|---|---|
| WIRED & WIRELESS | **CYBERSCOPE-CE-X2** | CYBERSCOPE-CE-X2 mainframe (FULL TRI-BAND) with one-year of AllyCare support (CYBERSCOPE-1YS), NXT-2000 Spectrum Analyzer, G3-PWRADAPTER, SFP+MR-10G850, RJ-45 inline coupler, EXT-ANT-TRIBAND directional antenna, WIREVIEW 1, Quick Start Guide, and hardened carry case. |
| | **CYBERSCOPE-CE-E-X2** | CYBERSCOPE-CE-E-X2 mainframe (PARTIAL TRI-BAND) with one-year of AllyCare support (CYBERSCOPE-1YS), NXT-2000 Spectrum Analyzer, G3-PWRADAPTER, SFP+MR-10G850, RJ-45 inline coupler, EXT-ANT-TRIBAND directional antenna, WIREVIEW 1, Quick Start Guide, and hardened carry case. |
| | **CYBERSCOPE-CE-C-X2** | CYBERSCOPE-CE-C-X2 mainframe (DUAL BAND) with one-year of AllyCare support (CYBERSCOPE-1YS), NXT-2000 Spectrum Analyzer, G3-PWRADAPTER, SFP+MR-10G850, RJ-45 inline coupler, EXT-ANT-TRIBAND directional antenna, WIREVIEW 1, Quick Start Guide, and hardened carry case. |
| WIRELESS ONLY | **CYBERSCOPE-AIR- X2** | CYBERSCOPE-AIR-X2 mainframe (FULL TRI-BAND) with one-year of AllyCare support (CYBERSCOPE AIR-1YS), NXT-2000 Spectrum Analyzer, G3-PWRADAPTER, EXT-ANT-TRIBAND directional antenna, Quick Start Guide, and hardened carry case. |
| | **CYBERSCOPE-AIR-E-X2** | CYBERSCOPE-AIR-E-X2 mainframe (PARTIAL TRI-BAND) with one-year of AllyCare support (CYBERSCOPE AIR-1YS), NXT-2000 Spectrum Analyzer, G3-PWRADAPTER, EXT-ANT-TRIBAND directional antenna, Quick Start Guide, and hardened carry case. |
| | **CYBERSCOPE-AIR-C-X2** | CYBERSCOPE-AIR-C-X2 mainframe (DUAL BAND) with one-year of AllyCare support (CYBERSCOPE AIR-1YS), NXT-2000 Spectrum Analyzer, G3-PWRADAPTER, EXT-ANT-TRIBAND directional antenna, Quick Start Guide, and hardened carry case. |
| WIRED ONLY | **CYBERSCOPE-XRF** | CYBERSCOPE-XRF mainframe (WIRED ONLY) with one-year of AllyCare support (CYBERSCOPE-XRF-1YS), G3-PWRADAPTER, SFP+MR-10G850, RJ-45 inline coupler, WIREVIEW 1, Quick Start Guide, and hardened carry case. |
| ALLYCARE | **CYBERSCOPE-1YS** | One-year AllyCare support for CyberScope |
| | **CYBERSCOPE-2YS** | Two-year AllyCare support for CyberScope |
| | **CYBERSCOPE-3YS** | Three-year AllyCare support for CyberScope |

## Specifications

| General | |
|---|---|
| **Dimensions** | 4.05 in x 7.67 in x 2.16 in (10.3 cm x 19.5 cm x 5.5 cm) |
| **Weight** | 1.68 lbs. (0.77 kg) |
| **Battery** | Removable, rechargeable lithium-ion battery pack (7.2 V, 6.4 A, 46 Wh) |
| **Battery Life** | Typical operating life is 3-4 hours (Battery life from full charge varies depending on the feature being used); Typical charge time is 3 hours |
| **Display** | 5.0-inch color LCD with capacitive touchscreen (720 x 1280 pixels) |
| **Host Interfaces** | (1)RJ-45 and (1)SFP Analysis ports; (1) RJ-45 Cable Test and Management Port RJ-45 Cable Test and Management Port; (1)USB Type-A Port and (1)USB Type-C On-the-Go Port<br>SMA Connector (for External Directional Antenna) |
| **Charging** | USB Type-C 45-W adapter: 100-240 Vac, 50-60 Hz; DC Output Power 15 V (3 A) |
| **Media Access** | Copper: 10M/100M/1G/2.5G/5G/10G \| Fiber SFP Adapters: 1G/10GBASE-X |
| **Supported IEEE Standards** | Wired: 802.3/ab/ae/an/bz/i/u/z Wi-Fi: 802.11a/b/g/n/ac/ax<br>PoE: 802.3af/at/bt, Class 0-8 and UPOE |
| **Cable Test** | Pair lengths, opens, shorts, split-pairs, crossed, straight through, and WireView ID |

# CyberScope® Product Comparison

| Product / Feature | (Wired/Wireless) | Air (Wireless only) | XRF (Wired only) |
|---|---|---|---|
| Ethernet Copper - 10/100 Mbps & 1/2.5/5/10 Gbps | • | | • |
| Ethernet Fiber - 1/10 Gbps | • | | • |
| PoE Test - Up to 90W | • | | • |
| Wiremap & Toner - Cable Open/Short/Length | • | | • |
| Default Gateway, DNS, IP - Unlimited Targets | • | • | • |
| Wi-Fi Test/Heatmaps - 802.11 a/b/g/n/ac/ax, Bands (2.4, 5, 6 GHz) | • | • | |
| Wi-Fi Connection & Roaming Test | • | • | |
| Discover SSID, AP, & Clients | • | • | |
| AirWISE® Intelligence | • | • | |
| AP & Client Locate | • | • | |
| RF Traffic Statistics | • | • | |
| AirMapper™ Site Survey[1] | • | • | |
| Bluetooth/BLE Site Survey | • | • | |
| Wi-Fi Spectrum Analysis - Optional NXT-2000 | • | • | |
| Network Topology Mapping[1] | • | • | • |
| Network Discovery[1] | • | • | • |
| Packet Capture | • | • | • |
| LANBERT™ Media Qualification | • | | • |
| iPerf Performance Test | • | • | • |
| Line Rate Performance Test - 10 Gbps | • | | • |
| Remote View/Control[1] | • | • | • |
| Integration of Nmap into AutoTest & Network Discovery | • | • | • |
| Standalone Nmap App / Custom Script Support | • | • | • |
| Automated Discovery Monitoring | • | • | • |
| Option to Disable Functionality[2] | • | • | • |

[1]AirMapper enhanced site survey visualizations, Network Topology Mapping, and Remote View/Control are available to customers with AllyCare support
[2]CyberScope allows disabling of specific product capabilities for use in secure environments

**cyberscope.netally.com**

netAlly simplicity • visibility • collaboration

AllyCare PRODUCT SUPPORT

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