netAlly
simplicity • visibility • collaboration

CyberScope®

Reveals what you cannot see

Fast and Comprehensive Site Security Assessments

The world's first comprehensive handheld cybersecurity analyzer

Complete visibility. It's what you need but despite all the resources you have, there are still potential vulnerability gaps. Ensuring the security of your sites is paramount but so are regular, thorough site assessments to validate network configurations and segmentation, find rogue devices, and identify endpoint vulnerabilities.

That's where NetAlly's CyberScope comes in

CyberScope is unique because it offers comprehensive site security assessment, analysis and reporting from a single, powerful, portable tool – including endpoint and network discovery, wireless security, vulnerability assessment, and segmentation and provisioning validation.

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

Complete network visibility – On-site or remote

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

"CyberScope users see their network, and KNOW their network – every device, every port, every time."

When SecOps teams are short-staffed, CyberScope expands their reach and improves cybersecurity. You get easy remote access and secure data collection, sharing and analysis in Link-Live™, NetAlly's collaboration, reporting and analysis platform.

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.

Stop lateral movement in its tracks

CyberScope scans for vulnerabilities such as network segmentation and provisioning errors. It locates potential device and configuration risks, and identifies entry points bad actors could use to move laterally inside your network. Rogue APs, clients, or purposely hidden computing devices cannot hide from CyberScope.

Cybersecurity Site Assessment Workflow – Simplified with CyberScope

Discover

PROBE ENDPOINTS
AND NETWORKS

First, know your network – every device – on the wire or in the air. Network discovery is a critical cybersecurity best practice, providing valuable information about the network infrastructure, layout, devices, and services that are present. You'll **identify all potential attack surfaces** so your security teams can better protect your network from threats and vulnerabilities.

CyberScope's Discovery combines scanning and active probing via five different network interfaces using multiple technologies to find endpoints and network infrastructure elements.

CyberScope detects all Wi-Fi APs and clients across up to 96 channels to fully understand the scope of RF reach inside and outside your facility. The AirMapper™ survey app surveys not just APs but also clients and BLE devices in a single walkthrough, while simultaneously performing active discovery.

AutoTest provides a standardized way to empower technicians of any skill level to perform comprehensive segmentation and provisioning analysis from any part of your network. Simply specify the VLAN or SSID to join and validate what can and cannot be reached in seconds. You'll validate all critical services with instrumentation to **detect rogue DHCP or DNS servers.** On Wi-Fi, AutoTest validates the latest WPA3 security across all three bands, in a one button, repeatable manner.

DISCOVER Features

- **Discovery scanning with integrated Nmap**
- **Extended/Excluded Discovery ranges**
- **AutoTest**
- **Sort, Filter, Search**

Identify ⚠

CLASSIFY DEVICES AS AUTHORIZED, UNAUTHORIZED, NEIGHBOR OR UNKNOWN

All discovered devices and even endpoint manufacturers can be classified as Authorized, Unauthorized, Neighbor or Unknown. On-device sorting and filtering makes it easy to identify outliers.

Network segmentation and provisioning can be complicated and prone to error. CyberScope can verify proper segmentation of both wired and Wi-Fi networks at the point of access with clear pass/fail indication. CyberScope can also examine switch ports for proper provisioning, join a VLAN to ensure correct segmentation, and capture traffic on a specific VLAN for deeper analysis. CyberScope's high-performance hardware ensures 100% packet capture at line rate speeds.

API queries for specified infrastructure vendors provide a deep dive into all available information about port configurations and client attributes.

IDENTIFY Features

- **Authorized device list**
- **Sort/Filter**
- **Free-string search**
- **VLAN Identification**
- **Device tagging**
- **Ping, capture, browse**
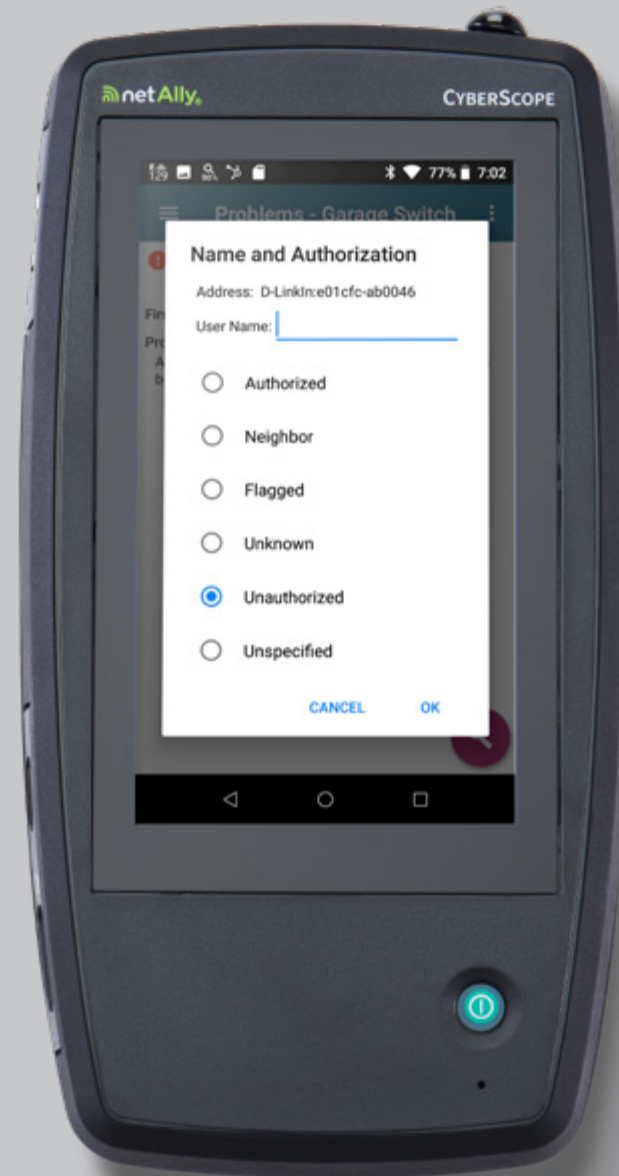
Locate

FIND ENDPOINTS FAST – ON THE WIRE OR IN THE AIR

Path analysis is critical to understand how devices are interconnected. CyberScope provides complete port by port details of the network path – both wired and wireless – to any device. This is crucial when hunting down unknown or nefarious devices. Rogue hunting is made fast and easy on Wi-Fi with CyberScope's tuned directional antenna. The companion Link-Live collaboration, reporting and analysis platform lets you generate up-to-the-minute accurate topology maps to visualize connections.

Powerful filtering and sorting makes it easy to spot outliers in your Wi-Fi environment. Pressed for time or need remote experts to analyze the data? Collect the data in minutes on-site and do the heavy analysis and reporting in Link-Live, anytime and anywhere.

LOCATE Features

- Path Analysis
- Port/VLAN identification
- AP, client, BT/BLE device surveys
- Topology mapping
- Directional antenna / signal strength tracking
- Connection technology identification (link type/speed, frequency/band/channel)

Analyze ⚙

STUDY ENDPOINTS
FOR VULNERABILITIES

Nmap identifies potential vulnerabilities like open backdoors, malware and poorly configured firewalls and intrusion detection systems. However, the cryptic nature of Nmap's command line interface and excessive textual output prevents many security and network engineers and technicians from using it to its fullest extent.

CyberScope's **intuitive user interface harnesses Nmap's robust capabilities** quickly and repeatably. Even seasoned users will appreciate the ease of use that helps you reduce the risk of successful attacks.

The embedded Nmap analysis engine automatically scans for vulnerabilities on all endpoint devices connected to the network. Nmap enhances the information gathered from each device with deep analysis by running built-in or custom scripts and automatically generates warning and error notifications. All this can help identify potential security weaknesses and prioritize remediation efforts to reduce risk.

Wi-Fi Analysis allow you to enter the space based on your area of concern be it channels, APs, SSIDs, BSSIDs, or clients. Optional spectrum analysis can show up jamming devices and ensure no leakage of confidential network signals.

Visualizations such as heat and topology maps provide "aha moments" in understanding your network. Discovery Difference analysis in Link-Live's topology maps indicates the presence of new devices since the last snapshot, as well as devices that have gone off the network.

ANALYZE Features

- **Nmap Endpoint Vulnerability Assessment**
- **Real-time Wi-Fi analytics**
- **AirMapper site survey device and signal heatmaps**
- **AutoTest connection, segmentation, and endpoint analysis**
- **UDP/TCP port scans, OS and services identification**
- **Topology Mapping**
- **Tabular data analysis**
- **Packet capture**

6

Report

CREATE REPORTS, COLLABORATE, SHARE

Reporting is easy using the Link-Live collaboration platform with features including results comparisons, discovery snapshots, and heat and topology maps. Link-Live provides organization-wide management of all NetAlly analyzers and results via secure cloud. Or, there's a licensed, containerized version for on-prem or private cloud use. Every test result is captured and can be easily compared to previous results. Secure sharing and even analyzer remote control by centralized experts fully enables collaboration across your team regardless of their location.

REPORT Features

- **Secure cloud or on-prem containerized deployment**

Link-Live™ – Heat Map

Link-Live™ – Topology Map
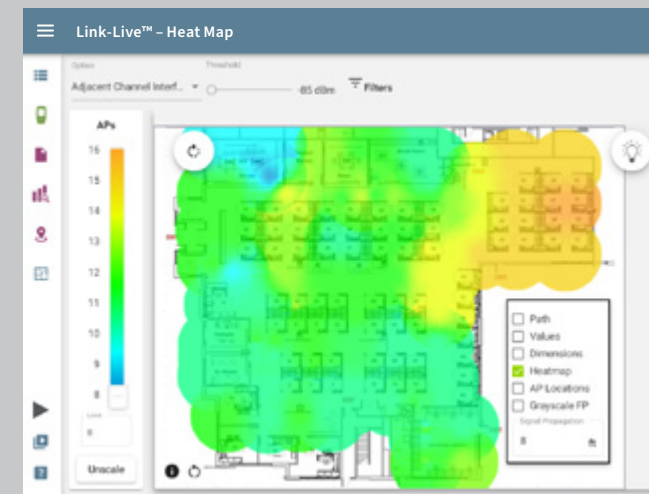
Features

Portable, for complete mobility
CyberScope is a rugged, hand-held instrument that is truly portable, so you can spot all your network vulnerabilities with a single walk through. It has all-day battery life and giving you complete mobility; you can even send the analyzer to another location and securely control it remotely. Smart hands collaboration allows on-site field engineering services for proactive or reactive activities.

- **A handy, portable yet powerful tool**
- **Withstands a 1-meter drop!**
- **Remote Analysis capability**
- **Smart hands (collaboration)**

Purpose-built with everything you need
A dedicated, purpose-built tool, the CyberScope integrates all the capabilities you need for complete survey and analysis. That includes RJ45 and fiber optic Ethernet ports for 10 Mbps to 10 gig and high-power PoE – capabilities you won't find on a laptop. USB ports provide connectivity for accessories, like the spectrum analysis radio, headset for voice communications, label printer, and more. And you can even run third party Android apps, handy for manufacturer's apps for other assets like security cameras and building controls.

- **Purpose-built hardware**
- **Ensures repeatable, consistent test patterns**
- **Expandable storage**
- **Leverage 3rd party apps**

Easy to use
You get a consistent user interface for all the different tools integrated into the CyberScope, including Nmap. AutoTest gives you a single-button pass/fail grading for fast, repeatable and fool-proof results. It's the easy way to have complete visibility of your site network.

- **USB port for accessories**
- **AutoTest for single button operation**
- **Visibility through layers 1 to 7**

Remote Access Empowers Smart Hands
Most times the expert is not where the problems are. CyberScope provides secure remote access using either VNC or Link-Live. Within moments of the instrument's arrival an unskilled admin can connect the instrument to allow complete remote operation. Need to train new personal? The bi-lateral remote operation allows you to drive the unit while training staff or looking over their shoulder to ensure understanding.

Rugged case contains the instrument and all accessories.

Directional antenna for fast Wi-Fi device locating

Spectrum analysis antenna for 2.4/5 GHz

International power plugs for global use

850nm multimode SFP for fiber optic connectivity (other standards-compliant SFPs are compatible, including DAC)

CyberScope Handheld Cybersecurity Analyzer

Wiremap adapter validates cabling continuity

8

netAlly®

simplicity • visibility • collaboration

Who is NetAlly?

For decades, our family of innovative network test solutions have been helping engineers and technicians better deploy, manage, maintain, and secure today's complex wired and wireless networks.

For more than 25 years, we have been the #1 ally of network and security professionals worldwide. We began by making the world's first handheld network analyzer – the LANMeter® – and have continued as industry pacesetters ever since, setting the standard for portable network testing and assessment. Our best-in-class tools deliver the visibility needed to get the job done, fast.

simplicity

- Simple, fast AutoTest makes novices more productive and experts more efficient
- Intuitive user interface allows more people to effectively use advanced technologies (Nmap)
- Standardized procedures ensure consistency

visibility

- See issues others cannot
- Visualization speeds time to understanding
- Multi-functional for faster answers and fewer tools

collaboration

- Facilitating collaboration speeds time to incident resolution and frees up team resources
- Automated documentation saves time
- Easy report generation and sharing stops finger-pointing among teams

AllyCare Premium Support Services

AllyCare is a comprehensive support and maintenance service for NetAlly's network tools and AirMagnet® software that offers significant value over standard warranty. Membership of AllyCare can be purchased as either a 1-year membership or a value-added 3-year membership.

KEY FEATURES*

Feature	With AllyCare	Standard Warranty
Latest Software & Firmware Versions	Yes	90-day manufacturing defects only
Repair Service Covered*	Yes	1-year manufacturing defects only
Accessory Replacements*	Yes	90-day manufacturing defects only
AllyCare-Enabled Product Features	Yes	No
Exclusive Online Product Tutorials	Yes	No
Priority access to Customer Experience & Solutions expert	Warranty support, plus priority product functionality and issue troubleshooting	License, installation, registration, application launch and

*AllyCare Restrictions (See Support Services Terms & Conditions for complete coverage and limitations at: www.netally.com/terms-of-use)

- Repairs require prior qualification troubleshooting by our Customer Experience & Solutions Center. Damage covered is from normal wear and does not cover accidental product damage or loss. Accessories covered are those included with the original product purchase.
- Products that are sold with 1-year AllyCare Support included have certain features and capabilities enabled. At the end of your existing contract, you must renew your AllyCare Support contract to continue utilizing the enabled features.
- AllyCare membership may not be available in all countries. Please confirm with your NetAlly representative before purchasing.

For information about AllyCare Premium Support visit: netally.com/allycare-support