INTERCEPTOR NX ™ CS

The *next* evolution of Alarmed PDS technology

INTERCEPTOR NX CS is a network infrastructure cyber security solution.

CNSSI 7003 compliant, DISA Risk Management Framework accredited, and the only one of its kind with a Certificate of Networthiness, INTERCEPTOR NX CS provides an end-to-end solution that quickly and cost-effectively ensures organizations pass CCRIs the first time, every time.

OVERVIEW

INTERCEPTOR^{NX} CS centrally monitors and continually automates inspections and Standard Operating Procedures for response to any threat to your classified network infrastructure. It is the most cost-effective method for securing scalable classified network environments while having zero impact on your network bandwidth, enabling you to unlock the full potential of your Voice, Video, and Data investments.

The INTERCEPTOR^{NX} is the heart of the Solution

Using patented technologies, the INTERCEPTOR^{NX} Optical Intrusion Detection System ensures the integrity and availability of network data by monitoring spare strands of fibers within optical cables making up the network infrastructure. This 24/7/365 continuous monitoring allows the system to immediately detect and report tampering or intrusion attempts conducted for the purposes of data theft (tapping) or denial of service. With Plug-and-Protect™ capability, INTERCEPTOR^{NX} can be rapidly added to new or existing network infrastructure and can be used in a variety of applications and network architectures. The auto-configuration feature of the INTERCEPTOR^{NX} allows organizations to get up and running without a costly and time-consuming manual tuning process.

Nuisance Alarm Mitigation

INTERCEPTOR^{NX} CS is the industry's first infrastructure protection system capable of eliminating all nuisance alarms.

Smart Filtering™ Technology

The INTERCEPTOR^{NX} features Smart-Filtering technology which eliminates false alarms by learning the normal day-to-day activity present within the environment.

BENEFITS

The INTERCEPTOR^{NX} CS is compatible with an integrated, customized management system called CyberSecure Infrastructure Monitoring System (IMS).

CyberSecure IMS:
- ✓ Simplifies Information Assurance (IA) Management
- ✓ Creates site specific CNSSI 7003 compliant Standard Operating Procedures
- ✓ Generates a unique case resolution audit trail

The CyberSecure IMS "Rapid Analysis Dashboard" provides Physical Security Officers and Network Security Specialists:
- ✓ Easy-to-use visual tools to monitor an entire office, building, campus or global network
- ✓ Real-time optical warning system to help identify, analyze and react to a disturbance
- ✓ Automatic notification via phone, email, SMS and/or audible/visual alarm
- ✓ Supported Camera Assisted Inspections and ability to redirect IP security cameras
- ✓ Capability to control door locks and security systems at the zone being attacked

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Full Featured Dashboard Graphical User Interface

The INTERCEPTOR^{NX} CS can be combined with other solutions including the Universal Cyber Sensors. Using an interactive map of all alarmed zones within and outside the secured perimeter, the map interface provides a Zone Status indicator for each manhole location and fiber optical cable run. When an optical disturbance is detected at a manhole location or on the fiber between manholes, the location of the disturbance will be displayed on the CyberSecure IMS dashboard within seconds of its occurrence.

Information Assurance Reporting Tools

CyberSecure IMS allows Information Assurance Managers to monitor local, regional, and/or global Alarmed Carrier PDS networks. Remote managers can receive daily, weekly, monthly, quarterly, and/or annual Health Reports regarding the activity occurring in the Alarmed Carrier PDS network on a zone-by-zone basis. Each alarm triggered by the system is tracked and given an alarm resolution code so trends can be analyzed. This proactively prevents nuisance alarms and helps local IA managers recalibrate alarmed zones when site conditions change.

FIBER FORENSICS™

Optical Disturbance Severity Graph

CyberSecure IMS works with the INTERCEPTOR^{NX} to capture all characteristics of a real-time intrusion attempt and display it to the Network Security Specialists for immediate analysis. A Fiber Forensics™ signature created by accidental contact with the cable is drastically different from a signature created by an actual intrusion attempt. This gives dispatchers complete control over whether or not to trigger an alarm response investigation, effectively eliminating nuisance alarms before they occur.

OPTICAL WARNING SYSTEM

The CyberSecure IMS software tool gathers unique optical signature information from the INTERCEPTOR^{NX} every time an optical disturbance is detected on an alarmed cable and analyzes the severity of the event. This provides dispatchers with real-time information that allows them to discern accidental contact optical disturbances from real threats to the network. This gives Network Security Specialists the ability to create a user configurable warning threshold per zone and only trigger alarms when the threshold is crossed, reducing the number of nuisance alarms by as much as 99%.

Each alarmed zone can be customized to meet the end user requirements specific to each zone. In the event an alarm is triggered, the corresponding data can be shut off using an ancillary device, the StopLight™ Optical Interface. Organizations have used this feature to shut down critical data overnight and delay investigation until the next day.

Finally, INTERCEPTOR CS allows alarm notification transmission over unclassified networks by incorporating the optional Cross-Domain Communications Unit, enabling an organization to receive notification of alarms at any time, from anywhere.

INTERCEPTOR^{NX} CS ensures immediate compliance of your classified network deployment. It has been deployed in multiple theaters around the globe to secure classified networks inside buildings and across campuses. It is the most secure and cost-effective method of supporting active and compliant missions.

INTERCEPTOR NX™ CS
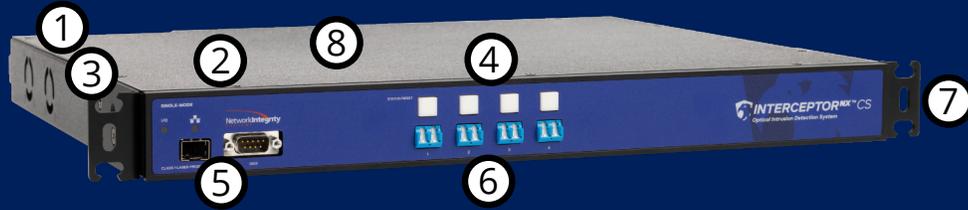
INTERCEPTOR NX CS is the next generation of INTERCEPTOR designed to make installation, maintenance, and operation easier than ever. Built upon years of field experience and valuable customer feedback, INTERCEPTOR NX leverages our cutting-edge technology with a new, innovative processor platform to provide flawless protection and unlock new possibilities in network security. Its advanced design guarantees seamless Cybersecurity and Compliance Review Inspections (CCRIs), empowering organizations to meet the ever-changing demands of the US Federal Government and Military. New features include:

1. **Factory Reset Button:** If you're ever in a situation where a reset to factory defaults is necessary, we have installed a reset button that can be accessed in the field. This allows a factory reset to be performed when console access is not available.

2. **Clean Sweep™ System Erase Chip:** Should the system ever need to be removed from a secure location (warranty repair, device replacement, etc.), there is a Media Encryption Key (MEK) chip that can be removed from its socket, performing a Cryptographic Erase rendering all configuration and other data on the device immediately and forever, unusable. A Certificate of Volatility can be provided by NIS when necessary.

3. **Dual Power Supply option:** NIS now offers single, or dual power supply options, selectable at time of purchase. Note that a single power supply INTERCEPTOR NX CS would have to be returned to NIS to be upgraded to a dual power supply system.

4. **Reset Buttons over Ports:** LED reset buttons are standard on all INTERCEPTOR NX CS models, with the buttons now positioned above the ports, making port status more visible and intuitive – even from across the room.

5. **Standard SFP Network Connectivity:** SFP Ethernet connectivity is now standard across the line, and each unit ships with a TAA compliant 1000base-T SFP included.

6. **Standard LC Connections with Shuttered Adapters:** LC optical ports are now standard across the product line. The new internal shutter on the LC adapters keeps dust out and improves laser safety while eliminating the need for dust caps.

7. **Easy rack mounting:** The mounting brackets have been improved to allow the screws to be placed in the rack prior to mounting. Therefore, you won't need to balance the device in the rack while installing mounting screws.

8. **New Processor:** NIS built INTERCEPTOR NX with an all-new processor platform that has the processing power required for future innovations.

When running 2.9.x firmware, INTERCEPTOR NX operates seamlessly with existing INTERCEPTOR™ deployments.

INTERCEPTOR NX CS can ensure immediate compliance of your classified network deployment. It has been deployed in multiple theaters around the globe to secure classified networks inside buildings and across campuses.

Contact us today to request a demo, site assessment, and/or pricing for your environment.

NetworkIntegrity SYSTEMS