

# **iPScan<sup>®</sup> NAC**

## **Network Access Control**

Customized and Integrated Network Access Control solution

Network Access Control | IP management | User authentication  
Device Authentication | SW Management | Patch Management  
Mobile control | Wifi AP control | CCTV control | PLM | Remote control  
Smart City | Smart factory | IT security | OT security | IoT security



# IPScan<sup>®</sup> NAC

Customized and Integrated Network Access Control solution

## IPScan NAC (Network Access Control)

IPScan NAC establishes the customer's internal information security system to control the access of all users. Moreover, it prevents internal information leakage from devices connected to the wired/wireless networks and manages the vulnerability of each device so that applications can be operated quickly and safely.

### ► Needs

#### ► Lack of security regulations and security response management

Cloud, IOT, BYOD, and Edge-computing environments, exposed to cyber-attacks by increasing the number of endpoints connecting to the internal wired and wireless networks

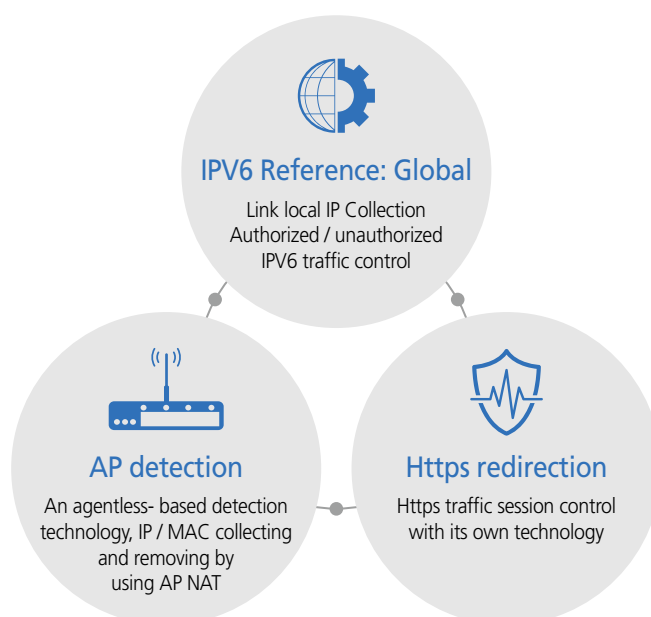
The necessity for the powerful and flexible controlling visibility to the end point increases so that network users in companies can be protected while using wire/wireless network

#### ► Zero-trust security

Information protection is required to shift from system-centric to user-centric(zero-trust) security model such as data, users, and workloads

Increasing need for network access control solutions- log and traffic inspections designed by protected assets / data and different user access range

### ► Core Functions



## ► Major Application Field



### Wired / Wireless Network security

- Automatic detection of Agent / Agentless based IP&MAC addresses detection
- Network Access Control for authorized / unauthorized devices
- Device Integrity check and vulnerability removal guide
- OS detection and identification by device type
- Organization/Individual monitoring and control



### CCTV security

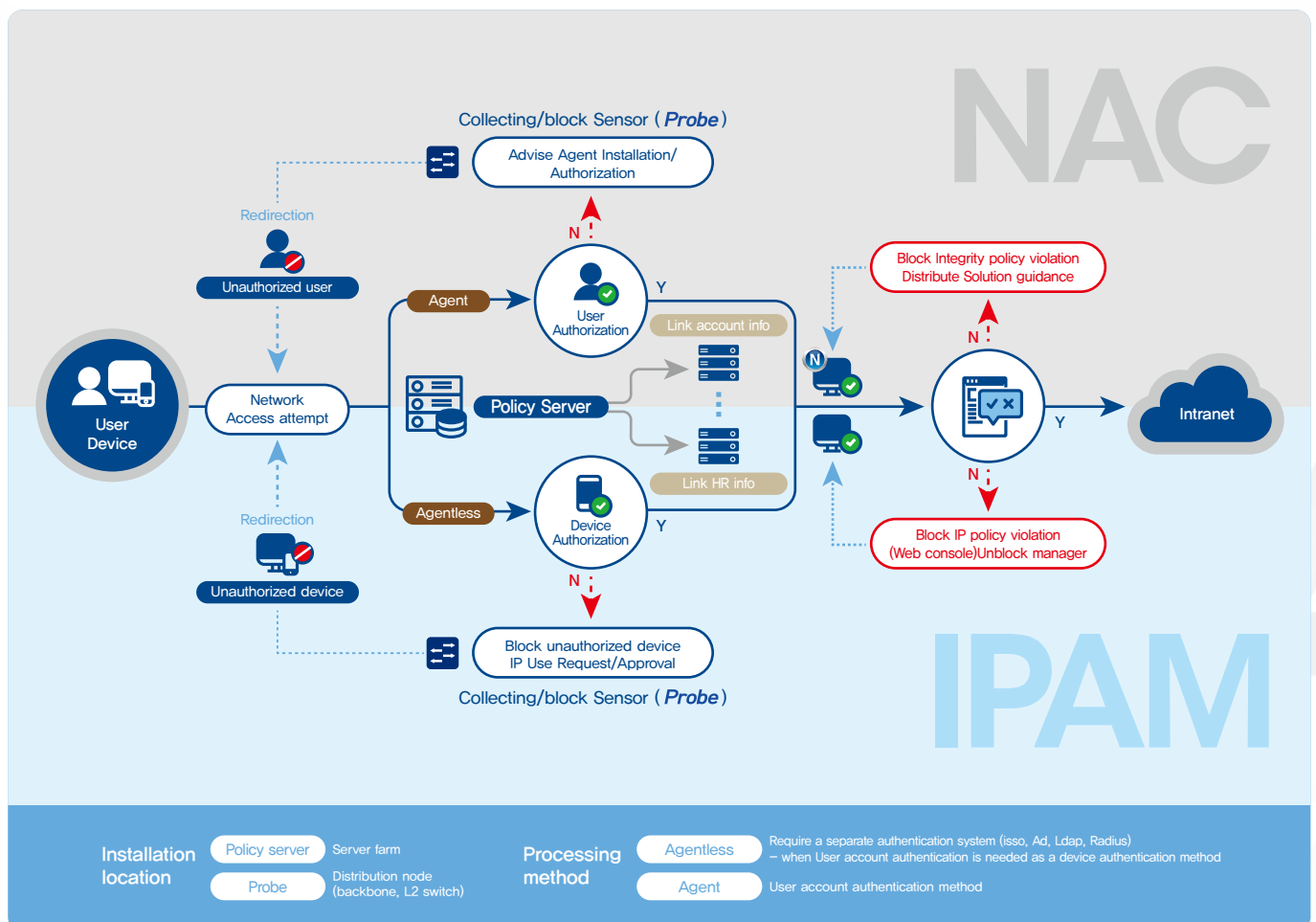
- CCTV control traffic monitoring
- CCTV On and Off status check
- CCTV Network blocking and traffic control
- VMS Access control for unauthorized user



### Industrial IOT security

- Industrial IOT GW device control
- GW backhaul Network section monitoring and control
- GW lower IOT terminal detection and blocking
- Asset management combined with IoT device
- IoT Security system construction
- 3<sup>rd</sup> party Big Data: H/W, S/W, such as life-cycle collection

## ► Solution Concept



## ► Major Functions



### Wired and Wireless terminal control

- (PC, Mobile, terminal, server, CCTV, etc.) IT asset control
- Network switch, Wired / wireless switch controls such as IoT repeater, Wi-Fi AP, etc
- Agentless based IP / MAC asset control
- Control through various OS- specific agents such as WINDOWS, MAC, OS, Linux
- Unauthorized AP detection and access blocking



### Software Integrity

- Scan and control essential/Malware software
- Scan and control Windows security updates
- Inspection and control through Anti-virus software interlocking
- Device security management such as operating system and browser security



### User authentication

- Agent with ID, Password user authentication
- 802.1x based radius authentication server, Providing external link
- AD, LDAP, SSO integrated authentication interoperability
- RDBMS and CSV interoperability



### Patch and remote management

- Detect and distribute patch target devices
- Check patch by period and provide patch status information
- Remote control of Windows device (Windows 10 support)

## ► Web UIX

### Provide security manager interface

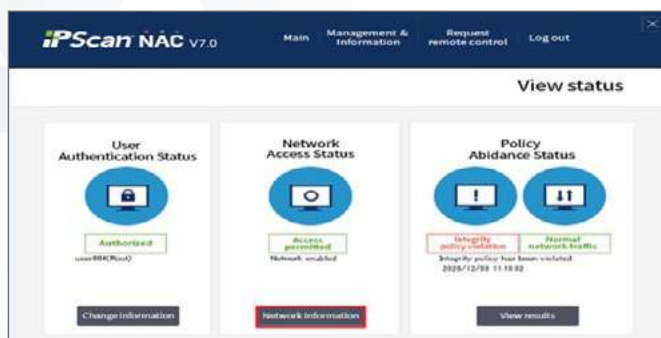
- Dashboard, Network usage status, Management log, System information
- Integrated operation of IPscan product line with ON-DEMAND method



Intuitive UIX considering user convenience

The table displays a list of devices with columns for Probe, IP, MAC, Online/Offline status, and various security checks. The table is filtered by 'All Rights Reserved, Build 1.0'.

IP, MAC management/Network status



User authentication and integrity verification check

The table displays a list of events with columns for Event ID, Event Name, Event Type, Event Time, and Event Details. The table is filtered by 'All Rights Reserved, Build 1.0'.

Event log management and statistics

## ► Key Features



### Pre-control of network risks

- Central/Integrated Management for Network access user
- Customized authentication and account management policy
- In-house security policy authentication and compliance with security regulations



### Agent/Agentless mixed configuration

- Flexible NAC policies can be operated
- Network access control through the sensors
- A wide range of Network access control



### IoT device control through IPv6 support

- A lot of different IoT device models control
- A systematic security structure for user friendliness



### Provides various analysis and reports

- Detailed operating status analysis based on abundant experience in the field
- Drill-down applied to incremental Log analytics
- Network history for Internal/external audit reports



### Simple installation without affecting the current network

- No additional structure changed installation
- Agentless is another option.
- Maximize efficiency with organically linked up 3<sup>rd</sup> Party



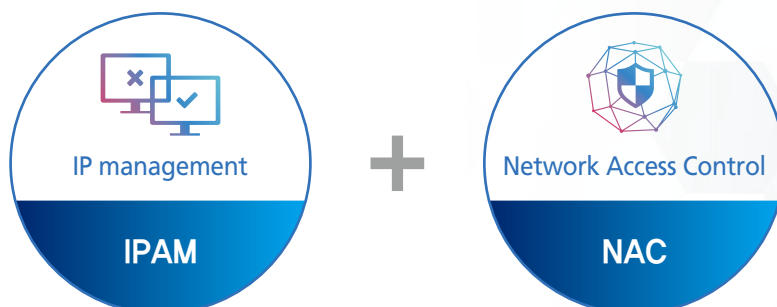
### On-demand configuration

- Policy server one to one IP management and NAC, cost-effective
- The web console controls IP and NAC management, user friendly

## ► Product Composition

	Server	Probe	Agent
Main function	<ul style="list-style-type: none"> <li>• User Network Access Control and Security Policy Management and Audit</li> <li>• Security policy DB and Audit log management</li> </ul>	<ul style="list-style-type: none"> <li>• All devices IP /MAC collecting Information and monitoring</li> <li>• Network blocking</li> <li>• Allowing policy enforcement</li> <li>• DHCP IP allocation</li> </ul>	<ul style="list-style-type: none"> <li>• User device management, control</li> <li>• Recommends essential S/W Installation and enforces security settings</li> </ul>
Type	<ul style="list-style-type: none"> <li>• IPScan NAC 500 Plus</li> <li>• IPScan NAC 1000 Plus</li> <li>• IPScan NAC 2000 Plus</li> </ul>	<ul style="list-style-type: none"> <li>• IPScan Probe 50X Plus</li> <li>• IPScan Probe 100X Plus</li> <li>• IPScan Probe 200X Plus</li> <li>• IPScan Probe 600X Plus</li> <li>• IPScan Probe 1000X Plus</li> </ul>	<ul style="list-style-type: none"> <li>• IPScan NAC Agent</li> </ul>

## ► On-Demand Solution Provides a customized integrated solution based on customer needs





**iPScan<sup>®</sup> NÄC**

[www.viascope.com](http://www.viascope.com)



**ViaScope Inc.**

ViaScope Inc. 24, Banpo-daero 10-gil, Seocho-gu, Seoul, Republic of Korea  
Tel. +82-2-3412-9700 | Fax. +82-2-3412-9800 | E-mail. [overseas@viascope.com](mailto:overseas@viascope.com)

Copyright Scope Inc. All Rights Reserved.