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# Integration Geutebrück SNMP Switch Plugin für Barox Switches

**Technologypartner:** Barox Kommunikation AG
**Integration Developer:** Geutebrück GmbH
**Integration platform:** Geutebrück G-Core
**Type of Integration:** Barox SNMP Plug-In

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# Barox SNMP Switch Integration

The **Geutebrück Barox SNMP Switch integration connects video management and network infrastructure into one coordinated workflow.** It enables operators to control compatible Barox switches directly from the Geutebrück environment, including PoE power, individual network ports, port speeds and switch functions.

By combining **Geutebrück's centralized security management with Barox's reliable video network and PoE infrastructure,** connected cameras and other network devices can be actively managed and recovered remotely.

The result is **higher system availability, faster troubleshooting and reduced maintenance effort — particularly in security-critical and distributed environments.**

# Advantages of the integration

**Higher system availability:**
Critical video devices can be remotely recovered without physical access

**Faster troubleshooting:**
PoE and network ports can be controlled directly from the Geutebrück environment

**Remote device recovery:**
Connected cameras can be power-cycled or network ports reset individually

**Centralized operations:**
Network and video infrastructure can be managed through coordinated Geutebrück workflows

**Reliable video operations:**
Active control of the underlying network infrastructure supports continuous video availability

**Reduced maintenance effort:**
Remote intervention can minimize unnecessary service visits and shorten downtime

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# Functionality

## PoE & PORT CONTROL

- **Individual PoE ports can be enabled or disabled remotely** through configured G-Core actions, allowing connected devices such as IP cameras to be selectively controlled.
- **Connected devices can be power-cycled remotely,** providing a fast and targeted method for recovering unresponsive cameras or other PoE devices.
- **Individual network ports can be disabled or re-enabled,** allowing devices to be selectively disconnected and restored without affecting other connected devices.
- **Port speeds can be changed remotely** where supported by the connected Barox switch and configured integration.

## G-CORE & G-SET INTEGRATION

- **The Barox SNMP Switch Plugin is integrated as a hardware plugin in G-Set,** while control is provided through configurable G-Core actions.
- **SNMP commands can be triggered directly from the Geutebrück environment,** connecting network operations with existing video and security workflows.
- **Switch and port functions can be integrated into operational processes,** enabling network-related recovery actions to be performed alongside video surveillance operations.
- **The integration supports centralized management of connected video infrastructure,** reducing the need to operate separate network and VMS interfaces.

## NETWORK & VIDEO AVAILABILITY

- **Active control of the video network and PoE infrastructure** helps maintain reliable connectivity and power for connected cameras.
- **Targeted intervention** allows individual devices to be recovered without unnecessarily interrupting other cameras or network services.
- **Remote management is particularly valuable for distributed and security-critical environments,** where physical access to cameras or network equipment may be difficult or time-consuming.
- The integration combines **video management, network connectivity and device recovery** into a coordinated operational workflow.

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# Use Case – Remote Camera Recovery

A security operator is monitoring a large, distributed facility with numerous IP cameras connected through Barox PoE switches. One camera suddenly becomes unavailable, while the remaining cameras continue to operate normally.

The operator identifies the affected camera in the Geutebrück environment and determines that a remote restart is required. Instead of dispatching a technician to the camera or switch, the operator triggers a **configured PoE reset for the corresponding switch port.**

The Barox SNMP Switch Plugin sends the command to the switch, temporarily interrupting the PoE supply. Power is then restored and the camera automatically restarts.

The operator verifies the camera's availability directly in the video system. **No physical access to the switch is required and the operation of other connected cameras remains unaffected.**

If further intervention is required, the operator can **disable or re-enable the network port, change the configured port speed, or trigger additional SNMP commands** supported by the integration.

**The result:**
Barox provides the reliable network and PoE infrastructure, while Geutebrück provides the centralized security environment and operational workflow. Together, they enable operators to **identify, intervene and restore video availability remotely — helping keep critical security systems operational.**