Physical IT Monitoring as important as the Firewall
50% of all IT losses are caused by physical threats.
Technique and Humans cause errors

Humans Cause Errors

Computer Can Fail

UPS Can Fail

Inside Jobs

Connections Can Cut

Pipes Can Break

Criminals Can Attack

Cooling can fail

Electronic Can Smolder

Software Can Crash

Offices Can Burn

Power Can Go Out

Weather Acts Up

Unexpected surprises can arise

Power Can Go Out
Objective: Highest Availability

- No unplanned outage of IT systems
- High system availability of 99,99%-99,999% (ca. 55-5Min), Tier 1-4
- Ensuring environmental conditions
- Proactivity - prevent failure, intervene preventively
- Early alert of threats - realtime information of responsible persons
Objective: Compliance - Requirements - Guidelines - Laws

- Compliance - Assuring of requirements and laws, governance (§9 BDSG)
- Implementation of the required or imposed security standards
- Implementing the requirements according ISO2700x - Documentation
- Special requirements of insurance (depending on the industry)
- Country-specific standards and directives

BSI Grundschutz Katalog
IT Sicherheitsgesetz
ISO 27001/27002 Information security management systems
ITIL (IT Infrastructure Library)
§9 BDSG Techn. und Organisatorische Maßnahmen
Business Continuity
Typical server room 20 - 200sqm
Market situation - SMB survey with > 1,000 companies

- No specialized server room: 27%
- No fire detection system: 42%
- No environmental/climate monitoring: 41%
- No leakage/liquid detection: 65%
- No UPS / power monitoring: 42%
- No intrusion detection: 39%
- No access control: 67%
- No server live monitoring: 44%
- No redundant real-time messaging: 70%
- No logbook and event-history: 66%

Quelle: Kentix Studie „Serverraum-Check“, ©2014
Most IT infrastructure is mission critical

- Business, state and daily life is 100% IT depending
- There branched dependencies - sub-suppliers, sub-organizations
- Institutions and facilities with major importance for the state community (CIP)
- Energy, water, transportation, medical, finance, telco, administration

We need anytime to know what's going on!
IT Infrastructure is constantly growing

80% of the IT infrastructure is physically not adequately secured!
Physical security systems becomes IT systems

CLIMATE
BURGLARY
IP CAM
ACCESS
FIRE
SERVER-MONITOR

360° physical IT-security
Physical security systems becomes integrated IT systems

![Diagram showing integration of physical security systems and IT systems](image-url)
Need of centralized IT management dashboards
MultiSensors makes physical monitoring smarter

MultiSensors detects 20 threats!
MultiSensors delivers better information

- Smarter system functionality
- Easy networking - easy installation
- Single sensors are not cheaper
- Better and „more“ information
- Reduction of system components
What makes physical IT monitoring really smart

1. 360° Integration
2. Scalability
3. Simplification

Integrates all systems

Total networking

Clear communication
No more single systems - high savings

- Environm. monitoring system
- Burglar alarm system
- Early fire detection system
- Access control system
- Network monitoring system
- Reporting system
Integrated systems are cost-effective

Save 2/3 of the costs!
Kentix = ca. 2.000 € / $2.700
Conventional = 6.000 € / $8.100

*third party product
Full compliance with just one system

Entry systems fulfills physical base protection for 25sqm IT-ROOM starts from 950,00€

ISO 27000

ECO

TÜV

BSI

*Server room with approx. 20 sqm / 200 sqft
Physical IT Security - As important as the Firewall

**IMPORTANT!**

50% of all IT losses are caused by physical threats.

It’s part of the IT security and therefore part of all requirements and rules!
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