SAFETY ISN’T JUST A SLOGAN, IT’S A WAY OF LIFE
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BOSCH SERVICE CENTER 18
Since 2000, we have been in the business of security system products. Our current focus on the distribution of security tools and devices leads us to form a new company: PT. Epsilon Global.

As a Premium Partner of Bosch Security Systems, PT. Epsilon Global distributes CCTV, fire alarms, public address system, conference system, intrusion alarm and access control equipment by Bosch Security Systems.
MISSION

To be a world-class distribution company that benefits our valued customers, partners, employees, our environment and the country.

VISION

To provide a comprehensive range of quality electronic security tools and devices as well as the necessary technical support for our partners and valued customer
OUR PRODUCTS
## Analog System

### Box Camera
- Resolution up to 720TVL
- Features Day / Night
- Lens Varifocal
- Indoor / Outdoor

### Dome Camera
- Resolution up to 720TVL
- Features Day / Night & Infrared
- Lens Fixed & Varifocal
- Indoor / Outdoor

### Bullet Camera
- Resolution up to 720TVL
- Features Infrared
- Lens Fixed & Varifocal
- Indoor / Outdoor

### PTZ Camera
- Resolution up to 720TVL
- Zoom 30x – 36x
- Features WDR
- Outdoor

## IP System

### Microdome
- Resolusi 720p / 1080p
- Fitur IDNR, POE
- MicroSD Card Slot
- Fixed Lens
- Indoor / Outdoor

### Dome Camera
- Resolusi 720p / 1080p
- Lensa Varifocal
- Fitur IDNR, POE,
- Day / Night, Infrared
- Vandal Resistant, IP66, IK10
- Indoor / Outdoor

### Bullet Camera
- Resolusi 720p / 1080p
- Lensa Varifocal
- Fitur IDNR, POE, IP66, Infrared
- Indoor / Outdoor

### Panoramic
- Resolusi 5MP / 12MP
- Lensa 360°
- Fitur IDNR, IP66, IK10, POE
- Indoor / Outdoor

### PTZ Camera
- Resolusi 720p
- Optical Zoom 12x / 30x
- Fitur Infrared
- Indoor / Outdoor
**Analog System**

**DVR**
- 960H RT high-resolution on HDMI Output
- Mobile Device Support (iOS, Android)
- Up to 4 x 4TB
- IP Based

**Bosch Video Client**
- Live Viewing of Multiple Camera
- Local Recording and Snapshots
- PTZ Control and Digital Zoom
- Playback and Export from Storage
- Motion and Forensic Search

**Bosch Video Management System**
- Best in Class Integration of BOSCH CCTV Devices
- Highest Resilience to Ensure Continuous Operation
- Superior Alarm Handling with Alarm Priorities and Selectable User Group Distribution
- Edge Based Intelligent Video Analytics (IVA) and Forensic Search
- Support of 3rd Party Cameras via RTSP, HTTP, MJPEG, INVIF Profile S

**IP System**

**NVR**
- Storage Capacity up to 32TB
- Support RAID 5 & iSCSI
- Support Camera up to 128 Cam

**Video Recording Management**
- Distributed Storage and Configurable Load Balancing
- iSCSI Disk Array Failover for Extra Reliability
- Used with all BOSCH Video-over-IP Cameras and Encoders
- Configuration Support for all BOSCH Disk Arrays (DSA E-Series and DIVAR IP Systems)
- Integration of 3rd Party Cameras (ONVIF, RTSP, JPEG)
Intrusion

Panel and Keypad
- Capacity 8 Zones
- Support up to 2 code pad
- DTMF Telephone Remote Arming
- Three Arming Modes
- Day Alarm, duress alarm, and code pad temper alarm
- Support GSM Module & Network Module

PIR, Smoke/Heat Detector
a. PIR
- Pet-friendly Selectable model available
- Dynamic Temperature Compensation
- Microwave Noise Adaptive Processing for reduce false alarm
- Wall to Wall Coverage
- Flexible Mounting Height, No Adjustments

b. Smoke/Heat Detectors
- Smoke, Heat and Combination Smoke Heat Detection Variant
- High reliability of detection thanks to evaluation electronics
- Active adjustment of the threshold (drift compensation) if the optical sensor becomes dirty
- Activation of a remote external detector alarm display possible
- Mechanical removal lock(can be activated/deactivated)
- Dust-repellent labyrinth and cap construction
- All detectors have an "Chamber Maid Plug" at the bottom for cleaning the optical chamber with compressed air (not required with the Heat Detector FCH-T320.)
SafeWise considers many factors when analyzing and ranking security systems. We consider the quality of service, how expensive the equipment is, how customer-friendly the company is, and most importantly, what security features are offered. With so many systems on the market today, and so many factors to consider, we've put together a few helpful suggestions for you.

Consider these three key elements when determining which system and company best suit your home and lifestyle:

1. Monitoring, the means by which the system communicates with its monitoring center
2. Installation, do by professional team
3. Mobile, you will get real time notification for any alarm from your place through your mobile phone or email
<table>
<thead>
<tr>
<th>Fire Alarm Conventional</th>
<th>Fire Alarm Addressable</th>
</tr>
</thead>
<tbody>
<tr>
<td>• High-Value Modern Optics – Suitable for public access areas</td>
<td></td>
</tr>
<tr>
<td>• Plain text LCD</td>
<td></td>
</tr>
<tr>
<td>• Available for 2, 4 or 8 detector zones for up to 64, 128 or 256 detectors</td>
<td></td>
</tr>
<tr>
<td>• EN 54-2 Standard</td>
<td></td>
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<tr>
<td>• Modular configuration allowing for easy extension</td>
<td></td>
</tr>
<tr>
<td>• Interconnection of up to 32 Panel Controllers, Remote Keypads, and OPC Servers</td>
<td></td>
</tr>
<tr>
<td>• Multiple CAN loop connection with high-performance Ethernet backbone and redundancy</td>
<td></td>
</tr>
<tr>
<td>• Installation and auto-detection of functional modules by simply plugging them into the panel rail</td>
<td></td>
</tr>
<tr>
<td>• Connection to BIS Building Integration System via OPC server</td>
<td></td>
</tr>
</tbody>
</table>
Detectors

- Smoke, Heat and Combination Smoke Heat Detection Variant
- High reliability of detection thanks to evaluation electronics
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Sounder and Indicating Lamp

- Audible Notification Volume up to 112 dB(A)
- Available for surface and flush-mounted cable feed
- Quick Installation
- Compact, robust & maintenance-free
- EN Standard

Manual Call Point

- Easy to install
- Available in red
- Indoor use (IP 52), outdoor use (IP 54)
- Housing material: Plastic, ASA
- Operating Voltage 24VDC
- EN Standard
Public Address System

Plena Voice System Alarm

- World first direct supervised PA and Fire connection
- Full control via supervised RS-232 (or IP with Bosch IP-audio)
- New open interface for advanced system setup and control
- Multiple Controller connections possible via the FPA5000 (fire panel)
- Easy to expand (from simple to advanced applications)
- Easy to operate
- Economic solution for small to medium sized applications.
- Up to 120 software emergency trigger inputs (free configurable)
- New open interface protocol for Plena Voice Alarm controller enables connection to any external (fire) system (v2.16 or higher)
- Supervised RS-232 open interface
- Direct connection to FPA1200 & FPA5000 (v2.16 or higher)

Praesideo

- Full digital Public Address & Emergency Sound System
- Certified according to EN54 and EN60849
- EVAC Compliant
- System size up to 63 Network connection points / nodes
  - From 1 to 244 zones
  - Up to 2km (1km redundant) distance (multimode fiber)
  - When linking multiple systems, unlimited number of zones
Ceiling Speaker

- Easy to install
- Suitable for speech and music reproduction
- Flush-mounting in ceiling cavity
- Simple power setting
- Unobtrusive in virtually all interiors
- Complies with international installation and safety regulations
- BS 5839-3 and EN 60849 compliant

Cabinet Speaker

- Easy to install
- Suitable for speech and music reproduction
- Surface and/or recessed mounting
- Mounting brackets for wall or ceiling mounting
- MDF construction
- Complies with international installation and safety regulations

Column Speaker

- Easy to install
- Suitable for speech and music reproduction
- For applications where directivity is important
- Slim-line weatherproof design
- Swivel wall mounting bracket supplied as standard
- Robust aluminum construction
- EN 54-24 certified, BS 5839 8 and EN 60849 compliant

Horn Speaker

- Easy to install
- High efficiency drivers
- Wide opening angle
- Excellent speech reproduction
- EN 54-24 certified, BS 5839 8 and EN 60849 compliant
Controller

- Intelligent access manager
- Four wiegand interfaces include the reader power supply
- Standard 2GB compact flash
- LCD display for displaying information
- Self-controlling send and receive switching
- IP Based

Software

- Software for access control & security management utilizing the innovative Access Modular Controller Family
- Cardholder administration of up to 10,000 records in the database
- Graphical location map with device control via both maps & device tree
- Alarm management with details via alarm list and animated GIFs on interactive location maps
- Video verification, video alarm verification, and video monitoring of live and recorded events
Reader and Access Card

Proximity

Proximity Reader
- Low cost reader features a beeper and multicolor LED which can be host and/or locally controlled
- Potted reader suitable for indoor or outdoor use
- Classic series covers available in black, grey, white or beige. Designer series cover available in black or gray

Proximity Card
- Read range 6.25 – 50 cm
- Dimensions 2.125" x 3.370" x 0.030" ± 0.003" (5.4 x 8.6 x 0.076 ± 0.0076 cm)
- Thin, flexible polyvinyl chloride (PVC) laminate or composite Polyester/PVC

Mifare

Mifare Reader
- Read Range 3.2 cm
- Compatible with 13.56 MHz & 125 KHz Mifare Card
- Offers fast and convenient transactions and is used worldwide for access control, cashless vending and public transportation applications
- MIFARE Application Directory (MAD) allows flexible programming of additional applications to the MIFARE Classic card
- MIFARE Classic technology uses a mutual authentication and data encryption with a 32/56 bit serial number

iClass SE

iClass SE Reader
- Adaptable – Interoperable with a growing range of technologies (iCLASS Seos®, iCLASS SE, standard iCLASS®, MIFARE® Classic, MIFARE DESFire® EV1 and magnetic stripe) and form factors including mobile devices
- Powerfully Secure – The iCLASS SE platform's Secure Identity Object® (SIO®) data model provides an extra layer of encryption for additional protection of identity data
- Standardized Communications (OSDP) – Open Supervised Device Protocol (OSDP) for secure communications between reader and controller.

iClass Card
- Supports Secure Identity Object™ (SIO), Multi-layered security beyond the card technology providing added protection to identity data.
- Trusted Identity Platform® (TIP™) enabled, Provides trusted identity within a secure ecosystem of interoperable products
- Supports future growth iCLASS® 13.56 MHz read/write contactless smart card technology with multiple, securely separated files enables multiple applications for future growth
- Flexible configurations Available in 2k bit, 16k bit or 32k bit with ability to add a magnetic stripe/barcode and anti-counterfeiting features (custom artwork and photo ID)
Our authorized service center can help you with the following products:

- Conference System
- CCTV
- Public Address System
- Access Control Equipment
- Intrusion Alarms
- Fire Alarms
BOSCH Authorized
Service Center Security System

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