



OFFICE BUILDING
SOLUTIONS FROM
BOSCH SECURITY
SYSTEMS

FIVE LAYERS OF SECURITY

- **LAYER 1 – PROPERTY PERIMETER**
- **LAYER 2 – RECEPTION AREA**
- **LAYER 3 – FLOOR LEVELS**
- **LAYER 4 – DEPARTMENT ZONES**
- **LAYER 5 – TECHNICAL SPACE**

LAYER 1 - PROPERTY PERIMETER

Emergency Communications Systems

LED Lighting

Day/Night Video Surveillance

Integrated Access Control

Intrusion Detection

LAYER 1 – PROPERTY PERIMETER

Day/Night Video Surveillance



Solution for the building corners:
AUTODOME IP 5000 IR

- ✓ Outdoor camera with IP66 protection
- ✓ Vandal resistant with IK10 certification
- ✓ IR illumination



Solution for the fence/building perimeter:
DINION IP bullet 5000 HD

- ✓ Outdoor camera with IP66 protection
- ✓ Vandal resistant with IK8 certification
- ✓ IR illumination

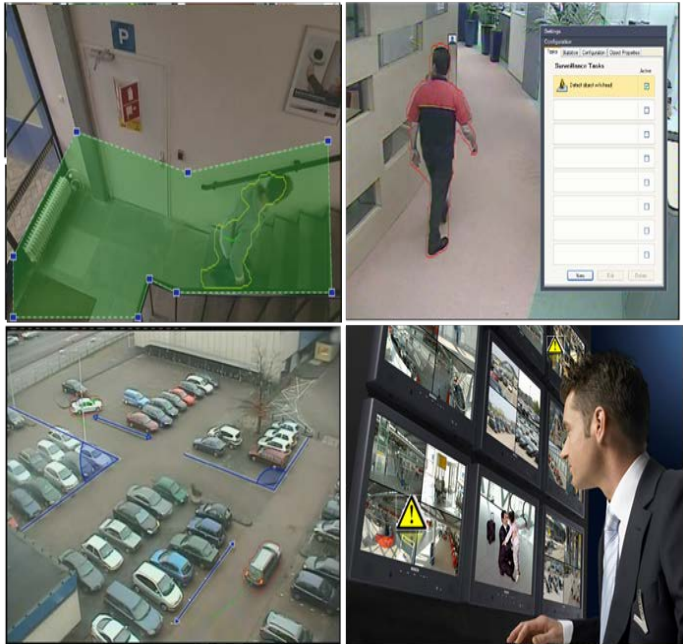
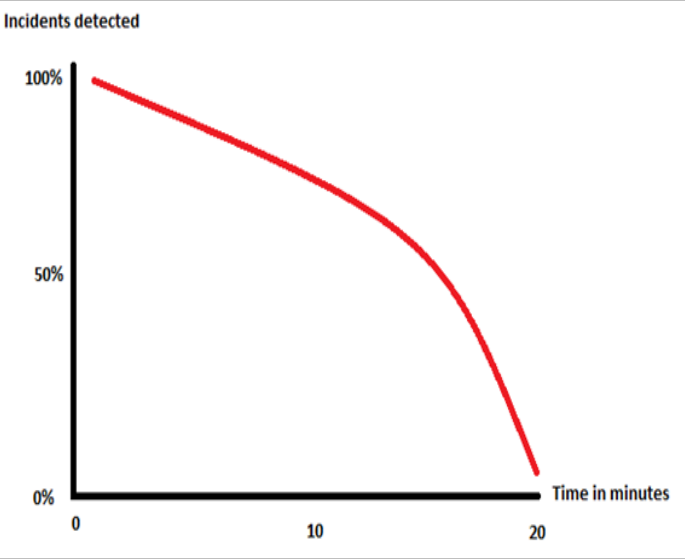
Solution for the building entrances/exits:
FLEXIDOME IP starlight 6000 VR

- ✓ Outdoor camera with IP66 protection
- ✓ Vandal resistant with IK10 certification
- ✓ Embedded Essential Analytics



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Day/Night Video Surveillance



Loss of concentration up to 90%

Essential Video Analytics

Help operators to stay focused

LAYER 1 - PROPERTY PERIMETER

Integrated Access Control



- Solution for perimeter access controller:
APC-AMC2-4R4CF - Serial controller
- ✓ Encrypted connection of readers
 - ✓ 8 readers per controller
 - ✓ 1000m distance to the reader



Solution for the building entrances/exits: LECTUS Secure 1000 RO

- ✓ Mifare Classic (56bit B key)
- ✓ Desfire EV1 (128 bit B key)
- ✓ Outdoor protection with IP65*

*by additional gaskets, standard is IP55



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Integrated Access Control Solution



Encryption from the software up to the cards!

LAYER 1 – PROPERTY PERIMETER

Intrusion Detection

Solution for building the entrances/exits:
ISP-MCB2-FP110 LSN magnetic contact

- ✓ EN-Grade 2 certification
- ✓ Addressable LSN device
- ✓ Outdoor contact with IP68 protection



Solution for the fence/building perimeter:
ISC-FPB1 – Dual/Quad Photo Beam detectors

- ✓ Coverage from 30 to 400 m
- ✓ Small unobtrusive design
- ✓ Selectable response time



LAYER 1 - PROPERTY PERIMETER

Emergency Communications Systems

Solution for the building the entrances/exits:
LP1-UC10E-1 Unidirectional sound projector

- ✓ Outdoor speaker with IP65 protection
- ✓ Superb speech and music reproduction
- ✓ EN54-24 certified



Solution for the fence/building perimeter:
LH1-10M10E Horn Loudspeaker

- ✓ Outdoor horn with IP65 protection
- ✓ Excellent speech reproduction
- ✓ EN54-24 certified



Fire Detection and Suppression

LAYER 2 - RECEPTION AREA

Emergency Communications Systems

Day/Night Video Surveillance

Integrated Access Control

Intrusion Detection

LAYER 2 - RECEPTION AREA

Day/Night Video Surveillance



Solution for monitoring the reception desk:
FLEXIDOME IP indoor 5000 MP

- ✓ 5MP for highly detailed images
- ✓ IR version with 15 m viewing distance
- ✓ Regions of interest and E-PTZ

Solution for the building entrances/exits:

FLEXIDOME IP starlight 6000 VR

- ✓ Wide dynamic range – 120dB
- ✓ Vandal resistant with IK10 certification
- ✓ Embedded Essential Analytics



LAYER 2 - RECEPTION AREA

Integrated Access Control



Software solution for access control
Access Professional Edition (APE) 3.x

- ✓ Up to 512 readers
- ✓ Global anti-passback (between controllers)
- ✓ Enhanced software development kit (SDK)

Solution for the building entrances/exits and
all floor levels (layer 3):

LECTUS duo 3000 classic line reader

- ✓ RS485/OSDP serial interface
- ✓ Wiegand interface
- ✓ Indoor/Outdoor use (IP65 rating)



Solution for indoor access controller:
APC-AMC2-4R4CF - Serial controller

- ✓ Encrypted connection of readers
- ✓ 8 readers per controller
- ✓ 1000m distance to the reader

LAYER 2 - RECEPTION AREA

Fire Detection and Suppression

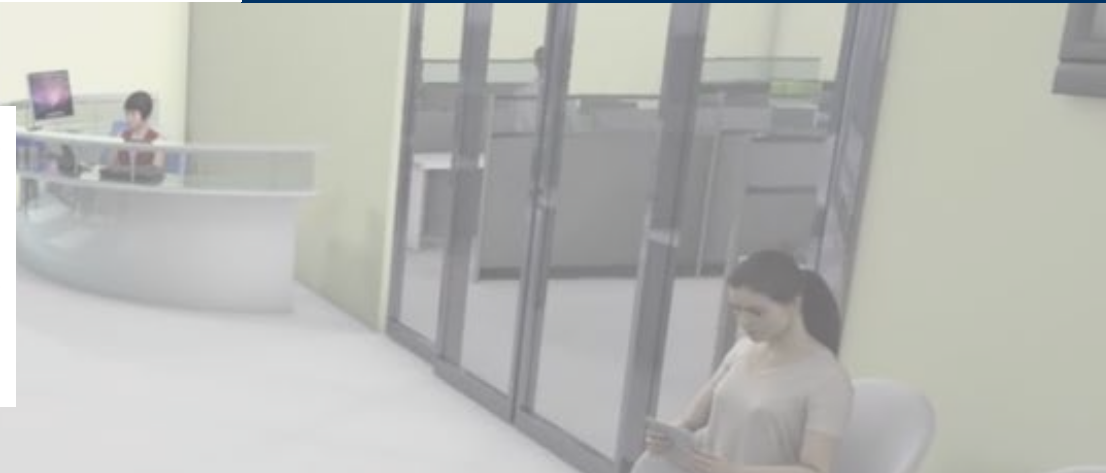


Solution for fire detection at the reception area
FAP-520 series "invisible detector"

- ✓ Completely flushed installation
- ✓ Available in 16 colors + white
- ✓ LSN and conventional version

Solution for the building entrances/exits:
FMC-420RW series manual call point

- ✓ Protection against injury
- ✓ LED display for triggered alarm
- ✓ Individual call point identification



Solution for fire notification:
LX Sounder Beacons Conventional

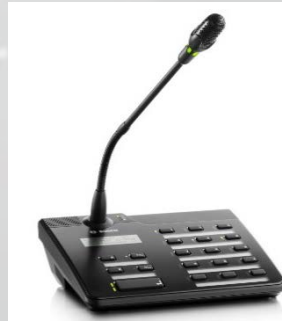
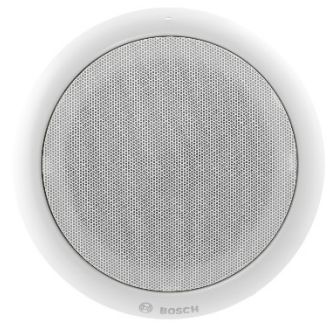
- ✓ EN54-23 certified
- ✓ LED technology for the beacon
- ✓ 32 alarm tones

LAYER 2 - RECEPTION AREA

Emergency Communications Systems

Solution for voice evacuation at the reception
LC1 Modular Loudspeaker

- ✓ Excellent speech and music reproduction
- ✓ EN54-24 certified
- ✓ In-ceiling, surface, pedant installation

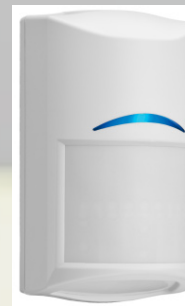


Solution for paging at the reception area
PVA-15CST PAVIRO call station

- ✓ LED indication on microphone cap
- ✓ 15 free programmable function keys
- ✓ Integrated numeric keypad

LAYER 2 - RECEPTION AREA

Intrusion Detection



- Solution for motion detection:
ISC-CDL1-W15x series detectors
- ✓ Excellent catch performance
 - ✓ False alarm immunity
 - ✓ Faster installation



Solution for intrusion detection control:
IUI-MAP0001-2 – MAP Control center

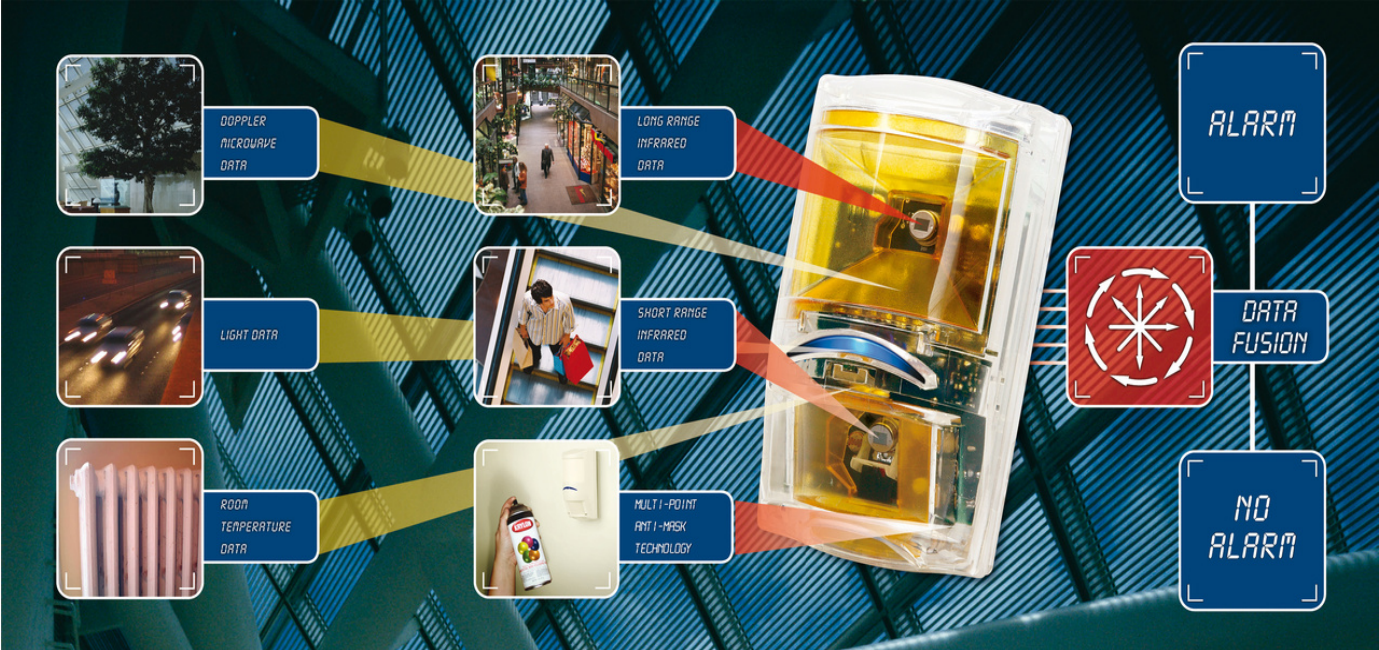
- ✓ 5.7" LCD display
- ✓ Built in speaker with adjustable volume
- ✓ Graphical interface with intuitive icons

- Solution for building the entrances/exits:
ISP-MCB2-FP110 LSN magnetic contact
- ✓ EN-Grade 2 certification
 - ✓ Addressable LSN device
 - ✓ Outdoor contact with IP68 protection



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Intrusion Detection



The total cost of ownership

Best in class ratio between catch performance and falls alarms

LAYER 3 – FLOOR LEVELS

Remote Video Management

Mass Notification

Destination Dispatch

Restricted Access Level Control

Fire Detection and Suppression

LAYER 3 - FLOOR LEVELS

Fire Detection and Suppression



Solution for fire detection at the floor levels

AVENAR detector 4000

- ✓ Intelligent Signal Processing (ISP)
- ✓ Dual Ray Technology
- ✓ Extended EMC protection



Solution for fire alarm panel:
FPA-5000/1200 series

- ✓ Addressable multi-loop fire panel
- ✓ IP interface to the EVAC system
- ✓ OPC interface to management systems

Solution for the floor entrances/exits:
FMC-420RW series manual call point

- ✓ Protection against injury
- ✓ LED display for triggered alarm
- ✓ Individual call point identification



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Prevent costly false fire alarms



False alarms

Distinct between disturbances

Increase the building safety

LAYER 3 - FLOOR LEVELS

Remote Video Management



Solution for monitoring the floor levels:
FLEXIDOME IP indoor 5000 HD

- ✓ 1080p resolution for sharp images
- ✓ IR version with 15 m viewing distance
- ✓ Regions of interest and E-PTZ

Software Remote Video Management
Bosch Video Management System 7.x

- ✓ Up to 2000 cameras on one server
- ✓ Enhanced forensic search
- ✓ Encrypted communication to the cameras



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Remote Video Monitoring



Empty environments



Dynamic transcoding



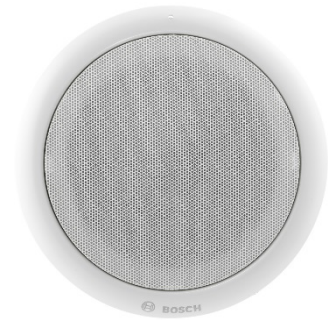
Instant access to HD video

LAYER 3 - FLOOR LEVELS

Mass Notification

Solution for voice evacuation at the floor levels
LC1 Modular Loudspeaker

- ✓ Excellent speech and music reproduction
- ✓ EN54-24 certified
- ✓ In-ceiling, surface, pedant installation



Central emergency communication system:
PAVIRO

- ✓ EN-54 certified system
- ✓ Class D amplifiers
- ✓ 480 zones



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Mass notification



Evacuate large number of people



Voice messages



Smoother evacuation procedures

LAYER 4 - DEPARTMENT ZONES

A/V Solutions

Audio Conferencing Equipment

LAYER 4 - DEPARTMENT ZONES

Audio Conferencing Equipment



Solution for Conferencing
DICENTIS Multimedia device

- ✓ 7" capacitive touchscreen for video, meeting content and internet access
- ✓ Built-in NFC reader

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Audio Conferencing Equipment



Meeting preparation



Multimedia conference system



Savings in printing and paper

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Audio Conferencing Equipment



Improve communication

Video conferencing

Save time and operational costs

LAYER 5 - TECHNICAL SPACE

Integrated Access Control



- Software solution for access control
Access Professional Edition (APE) 3.x
- ✓ Up to 512 readers
 - ✓ Global anti-passback
 - ✓ Enhanced software development kit (SDK)

Solution for the technical rooms:
ARD-FPBPMF-OC MIFARE card reader

- ✓ Mifare Classic (56bit B key)
- ✓ Different authentication modes (fingerprint with/without card)
- ✓ Anti-passback door zones



- Solution for indoor access controller:
APC-AMC2-4WCF – Wiegand controller
- ✓ 4 readers per controller
 - ✓ 125m distance to the reader
 - ✓ Standard 2GB compact flash



THANK YOU
FOR YOUR ATTENTION!!!