Proactive Perimeter Protection

IP-based Public Address for your system

Solutions for Perimeter Protection

The multi-functional response system for proactive protection of open-air sites

Reliable all-round protection is essential when it comes to securing sensitive outdoor areas on industrial or commercial premises, public spaces or private properties. The job definition is straightforward: "Maintain building security in any kind of environment." Commend's IP-based Public Address systems for security communication provide intelligent interaction support to enable a proactive response to events on-site.

The Challenge

Is it possible to issue a warning announcement to people approaching the site to prevent them from trespassing?

How can existing security technology be linked together for intelligent interaction?

How can Control Desk staff intervene as quickly and effectively as possible in case of an emergency?

Can the response system be upgraded as required without the need for expensive cabling?

The Solution

A self-sustained Commend IP Loudspeaker with motion sensor is triggered automatically and plays back a pre-recorded announcement on its own (independent of any server connection).

On-site sensors automatically set off pre-defined complex action sequences – for example, turn on the searchlights, establish a call connection to Control Desk, and activate the corresponding video camera.
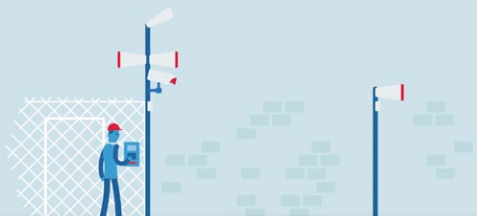
Commend STUDIO Control Desk Management comes with integrated voice, video and control capabilities that enable any Control Desk function, from automated tracking to complex action instructions, automatic recording, and – of course – proactive intervention by addressing trespassers directly.

Communication with the Commend IP Loudspeakers can be managed simply via IoIP or SIP connections powered by PoE (Power over Ethernet).

Intercom over IP extends perimeter security by the all-important

Modern CCTV/video surveillance provides no means of actively intervening in events on-site to defuse critical situations. Commend PA Systems for Security Communication add the all-important audio dimension with full IP network support. Bi-directional audio connections allow staff at the Control Desk monitor to intervene actively in ongoing events at the site under surveillance. The clear advantage over 'classic' video-only surveillance is obvious: a firm warning can defuse or even prevent security-critical activities like vandalism or theft much more quickly and more effectively.

Priming the system for active surveillance

Once the premises are vacated, the entire perimeter protection system is activated via an Intercom terminal.

Autonomous, serverless warning system

A self-sustained, sensor-driven IP Loudspeaker issues a pre-recorded voice message as a first warning.

Locating, instructing and recording

The operator at the Security Control Desk receives the call. A map, video image and action checklist are shown, and recording starts automatically.

Proactive intervention

By addressing the person(s) at the site directly, the operator can take proactive steps to resolve the situation.

audio dimension

Intercom Station versions to meet individual requirements

COMMEND

IP-based Loudspeakers

IoIP SIP
AFLS 10H HG

IoIP SIP
AFLS 10H PW

IoIP SIP
AFLS 10H CW

– Direct call and call response function via integrated microphone
– IVC (Intelligent Volume Control) automatically adjusts the Intercom Station's volume setting to the ambient noise level
– Built-in inputs/outputs, e. g. for monitoring of, or controlling associated third-party systems and triggering pre-defined actions
– End-to-end monitoring of connection and loudspeaker functionality
– Each loudspeaker can be addressed and configured individually
– High volume capacity and superior speech quality, thanks to integrated 10 Watt Class-D amplifier
– No need for central amplifiers – ideally suited also for small-sized and remote PA zones
– Loudspeakers can be allocated to groups and zones without modifying the hardware or wiring
– Fully forward compatible (unlike classic PA systems), as new functions can easily be added via software download

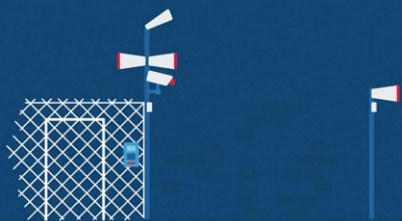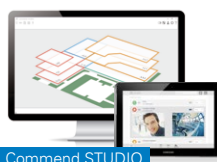### IP-based Audio Amplifiers

AF 50

AF 20

– 20 Watts / 50 Watts output power
– Low-impedance audio output, 4 ohms min. impedance
– 70V/100V audio output with loudspeaker line monitoring (Series AF 50 only)
– Class D high-efficiency amplifier with low thermal footprint
– Short-circuit and overrange protected
– Suitable for decentralised on-site use
– Line self-monitoring between amplifier and Intercom Server

IP-based Control Desk Management

Commend STUDIO

Software Intercom Client

EE 972AS

Commend STUDIO visualisation software package
– Solution-specific instructions and information shown on a well-structured user interface
– Integration support for a unlimited number of surveillance sites
– Call buttons for additional Intercom or telephone contacts
– Playback of pre-recorded warning messages or live announcements at a click of the mouse

Software Intercom Client for mobile devices
– Instant control of Intercom functionality the way you're used to – Basic module, video module and direct dialling buttons conform to the hardware design of Commend's range of classic desktop stations.
– Use the ergonomically designed default layout or build your own custom solutions to suit your individual needs.

Master station for clear statements
– Master and control desk station with gooseneck microphone, illuminated LCD graphic display, standard keypad and six function keys

Automatic warning announcements, lights, video

Based on sensor input, the IP Loudspeakers trigger automatic action sequences on the on-line system – e. g., 'Play warning message, activate lights, set off call to Control Desk, activate CCTV camera'.

Situation resolved!

Once the situation is sorted out, the system goes back to idle mode.

Solutions for Perimeter Protection

The communication platform for secure, proactive surveillance

With a selection of products ranging from specially designed PA loudspeakers to high-performance amplifiers, the Commend IP PA series allows for enhancing existing video-only surveillance systems with added audio security support for industrial premises, power plants, railway facilities, and many other applications. A growing number of operators in many application environments are adding Commend Intercom PA solutions to their list business-critical security requirements.

Secure communication systems by Commend

Can you imagine a system that millions of people rely on every day, where every word has to count? This is the world of Commend! Secure, reliable communication is our passion.

As global market leader with over 40 years' experience in developing voice technology, we have integrated video and interfaces to third-party equipment that complies with international norms and standards. Commend is the natural choice for hands-free voice communication systems all over the world.

Real life still makes for the best stories

How do Commend solutions cope with the tough real-life communication and security challenges at thousands of locations all over the world? We maintain a dense distribution and service network to provide support to our system partners, planners and customers all over the world.

Your local contact will be happy to answer any further questions you may have regarding individual solutions.

View Video

Quality tested. Reliable. Smart.

COMMEND products are developed and manufactured by Commend International in Salzburg, Austria.

The development and manufacturing processes are certified in accordance with **EN ISO 9001:2008**

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A strong worldwide network.

COMMEND is represented the world over by local Commend Partners and helps to improve security and communication with tailored Intercom solutions.

www.commend.com

The ORIGINAL OpenDuplex® Natural Communication

Natural Communication

16 kHz *e*HD Voice

Audio Bandwidth

High Volume

Background Noise Suppression

Loudspeaker-to-Microphone Monitoring

Loudspeaker Line Monitoring

Induction loop modules