

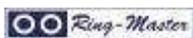


<http://on.fb.me/STENTOFON>

"Connecting Australia since 1975"



- AlphaCom XE
- Pulse
- Pro700
- BiWay



Service, Repair, Integration



Service, Repair, Integration



**Marine Services**

# STENTOFON December 2012 Newsletter

## Season's Greetings!

The STENTOFON offices will be closed from Friday 21st December till Monday 7th of January.

We hope you all have a safe and happy Christmas period.

## TKIS-2 VOIP INTERCOM MODULE

### HIGHLIGHTS

- STENTOFON Audio Presence - crystal clear audio
- DIN-rail mountable, clips included
- Add VoIP/CCoIP to your parking solution, cash point, vending machine, etc
- Build your own IP Intercom station or help point
- Make your own 10W IP Speaker
- Control relays and I/Os over IP
- Supports AlphaCom, Pulse and SIP (for use with any IPBX)
- Supports a wide set of IP networking standards
- Remote software upgrade, configuration and monitoring
- Powered from the IP network cable using Power over Ethernet (PoE)
- Advanced audio technology like automatic gain and volume adjustment, background noise cancellation, open duplex, etc.

### DESCRIPTION

The STENTOFON VoIP Intercom Module utilizes the latest technology to create unparalleled audio quality. Some of the many features include: HD voice quality, Open Duplex, Active Noise Cancellation, Automatic Volume Adjustment, MEMS microphone support, and a 10W Class D amplifier. These features, in conjunction with STENTOFON's 65+ years of experience with acoustic technology are only a few of the many factors that make our audio quality second to none.

TKIS-2 is compatible with the following systems:

#### - SIP PBX

This VoIP intercom module can be used with basically any SIP server. Various server types have been tested explicitly by STENTOFON and a proper functionality can be confirmed. Check with your STENTOFON contact for the latest information on compatibility

- STENTOFON AlphaCom XE Audio servers CCoIP® (Critical Communication over IP).
- STENTOFON Pulse

See [www.stentofon.com.au](http://www.stentofon.com.au) for more information



## STENTOFON ANALYTICS

The combination of Audio Analytics technology with STENTOFON intercom systems provides security personnel with a powerful tool to be able to act fast or even pre-emptively when a threat is detected. The combination allows STENTOFON intercoms and information/help points to automatically alert guards to car thefts or break-ins (car alarm detection), office or building break-ins (glass break detection), verbal and physical violence in hospitals, prisons, reception areas, (aggression detection), and firearm crimes (gunshot detection). These analytics will do what video can't: detect crimes and events by analysing audio; detect off camera events or areas where cameras are not located; and detect events regardless of lighting conditions.

The analytics technology is designed to recognize complex sounds by using advanced psychoacoustic modelling, the science behind how humans distinguish and understand the meaning of sound. The Core Logger™ sound recognition software can detect a variety of sounds depending on the type of Sound Packs™ installed, even with high levels of ambient noise.

The STENTOFON analytics technology is licensed to Zenitel by Audio Analytic, a UK based company which specializes in sound detection and classification. The information in this whitepaper is provided in cooperation between Zenitel and Audio Analytic.

Different sounds have different characteristics. Detecting these characteristics is the basis on which the analytics work; listening out for the specific characteristics that define the sound. These characteristics do not change, although the sound itself may sound differently to the human ear as this depends on the acoustical properties of the environment. The characteristics of each type of sound are captured in specific Sound Packs™.

### END USER USAGE SCENARIOS

#### Alarm Receiving Centres (ARC)

Alarm receiving centres have a difficult and challenging task detecting and handling responses to break-ins, intrusions and vandalism at many types of locations.

STENTOFON's range of sound detection and classification products can detect specific sounds such as car alarms, glass breakage, aggression and gunshots that can be used to provide alerts to the ARC when one of these specific sounds is detected. This helps the ARC to reduce operational costs by driving down nuisance or false alarms to their monitoring centres while also allowing them to provide a further enhanced value added service driving sales of monitoring channels. The technology can be used to trigger audio messages/audio talk down, video recording and transmission, alerts to operators as well as turn external safety lights on only when necessary to actively deter criminals.

Use of the aggression Sound Pack provides the means to protect front-line support staff in hospitals and government offices against violent and verbal abuse, and through triggering of audio recording in the event of aggression, allows collection of evidence to support prosecution in the event of racially or religiously motivated attacks not detectable with a video only system. Zero tolerance abuse initiatives can be supported with compelling legally admissible voice recordings backing up your staff's reports, where necessary, for prosecution.

Standard intrusion detection measures can be enhanced through use of the glass break Sound Pack to detect windows being smashed to gain access into buildings or in the case of malicious damage.

Vehicle crime in car parks, including theft and vandalism, can also be mitigated through use of the car alarm Sound Pack, detecting the unique sound of a car alarm 50 meters from the source even if the event is off-camera or in poor lighting. Incidents of gun crime, for example in the accident and emergency entrance area, can also be quickly detected through use of the gunshot Sound Pack, allowing security staff to initiate rapid emergency response and evacuation procedures.

For information on other applications and for the full whitepaper contact STENTOFON.

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