VINGTOR STENTOFON

PULSE
BASIC & ENTERPRISE

An «Out-of-the-box»
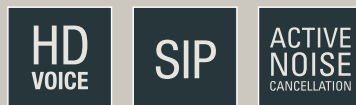IP Communication
Platform

IP COMMUNICATION
-RIGHT OUT OF THE BOX

PULSE by Vingtor-Stentofon is a cost efficient solution for your small to medium sized communication requirements. The system allows for as few as two stations and is scalable according to your needs.

PULSE is a self contained SIP platform that offers exceptional voice quality and many of the features and functions of our larger AlphaCom XE system.

PULSE uses your existing IP Network infrastructure and utilizes open standards including SIP, HTTP and XML, making it simple to integrate and expand with third party systems. PULSE is available on all the Vingtor-Stentofon IP Stations, including our special purpose stations suitable for any environment.

HD VOICE **SIP** **ACTIVE NOISE** CANCELLATION

PULSE
SYSTEM DESCRIPTION

- Allows up to:
  - 16 stations per system
  - 10 VS-clients (PC)
  - 10 SIP-clients (e.g. IP Phones)
- No central server equipment required
- Dedicated Tool for Discovery, Upgrading, Configuration & Maintenance
- System setup also possible using web browser in less than 10 minutes
- Stations support Active Noise Cancellation
- PULSE mode is available on all our IP Stations
- Wide range of special purpose intercom stations
- Open for SIP enabled 3rd party devices
- SIP Trunking to ISDN/GSM telephony gateways
- DTMF Support
- Support for dedicated PC Client (VS-Client)
- G711, G722 & G729 codec support
- SDK/API Support
- SCRIPTING (Use of Virtual IOs)
- Trunking of PULSE Systems

PULSE
FOR EVERY ENVIRONMENT

PROFESSIONAL OFFICES DENTAL OFFICES
ROADSIDE COMMUNICATION
GAS STATIONS AND GARAGES WAITING/RECEPTION AREAS
HOSPITAL AND MEDICAL CENTERS
OPERATING ROOMS
UNIVERSITIES ELEVATORS
FIRE STATIONS
HOTELS & GUEST HOUSES POLICE STATIONS
PARKING FACILITIES
PRISON CELLS
SMALL BUSINESSES FACTORY FLOOR
SHOPPING MALLS MEETING ROOMS
SUPERMARKETS +++

VINGTOR STENTOFON 3

Why **PULSE BASIC**?

✓ **Ideal IP Intercom and PA for Any Environment**

✓ **Technology based on Open Standards**

WORKS WITH ALL OUR IP STATIONS

All our IP Stations support PULSE Basic mode out-of-the-box. The station designated as the system master provides SIP server functions to the other stations in the system and optionally any third party IP telephones and/or gateways. The integrated web management server provides centralized functions for system operation and maintenance. We offer a dedicated tool for Discovery, Upgrading, Configuration and Maintenance called Vingtor-Stentofon Intercom Management Tool (VS-IMT).

HIGH DEFINITION VOICE

HD Voice refers to the next generation voice quality for IP telephony compared to standard digital telephony. HD Voice uses wideband codecs (such as G.722) to reproduce the human voice with larger frequency coverage. The result is a significantly more natural sounding speech and a wider range of frequencies promoting audio clarity and clear conversation. This is essential in any environment where critical communication is required.

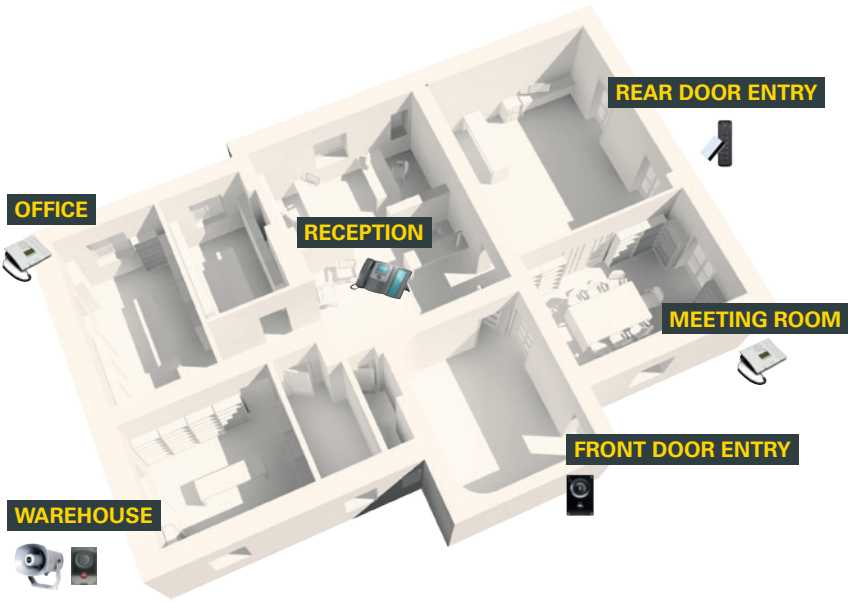**PULSE WORKS RIGHT OUT OF THE BOX USING YOUR EXISTING IP NETWORK INFRASTRUCTURE**

ACTIVE NOISE CANCELLATION

Our Active Noise Cancellation software effectively eliminates unwanted noise, providing a clear speech signal even if the original speech has a lower decibel level than the surrounding noise.

BUDGET IP PA SYSTEMS

PULSE Basic offers everything you need to set up an IP basic Public Address system. Whether you're building a new system from scratch or you want to convert your legacy (analog) PA system to IP, we provide the tools to make it happen.

REAR DOOR ENTRY

OFFICE

RECEPTION

MEETING ROOM

FRONT DOOR ENTRY

WAREHOUSE

Why upgrade to **PULSE ENTERPRISE**?

✓ **Networking of PULSE Systems**

✓ **Dedicated SDK/API software for integration with your software**

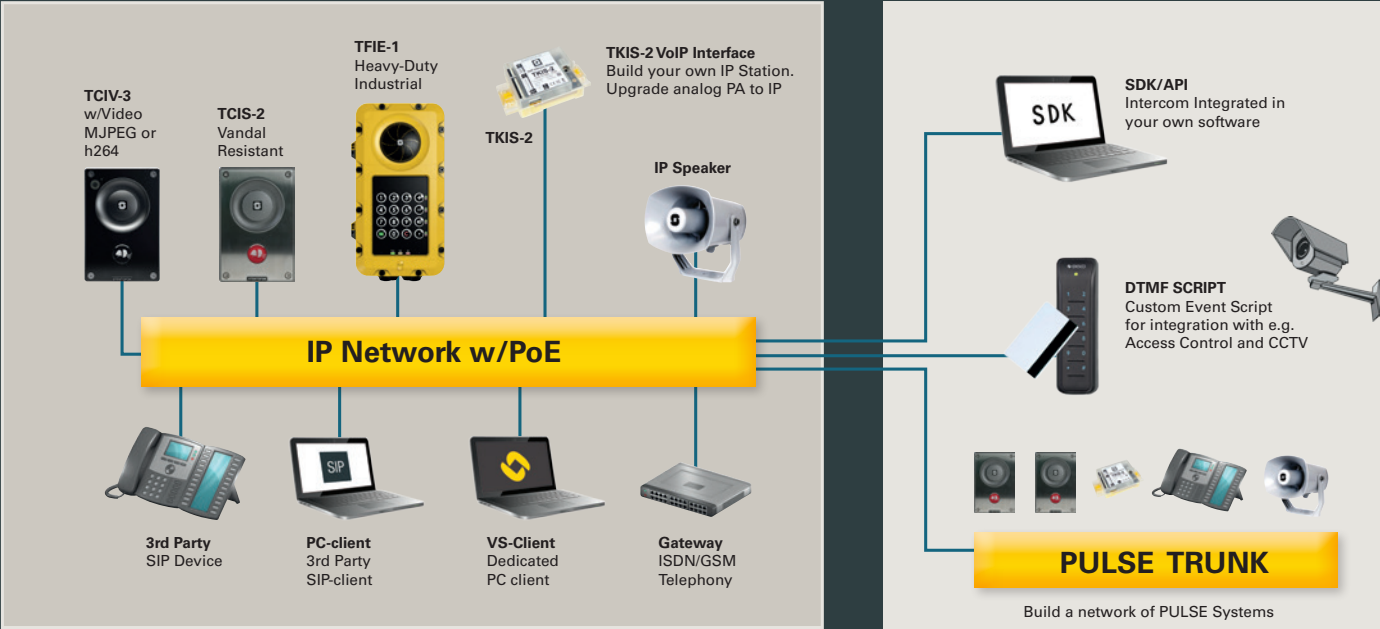✓ **Custom Scripts triggered by DTMF**

NETWORKING

If you upgrade your PULSE BASIC Server to ENTERPRISE you can link it to another ENTERPRISE Server via Trunking. This allows you to centralize and provide essential security and communication services to the most remote, and often unmanned, locations.

DEDICATED SDK/API SOFTWARE

PULSE ENTERPRISE offers an easy solution to build your own custom-made IP communication platform. Add intercom functionality to your existing software solution and tailor it to fit your requirements.

SCRIPTING

PULSE BASIC supports DTMF inputs to activate IO ports or relays on the station. SCRIPTING takes this one step further by allowing DTMF inputs to activate a custom script.
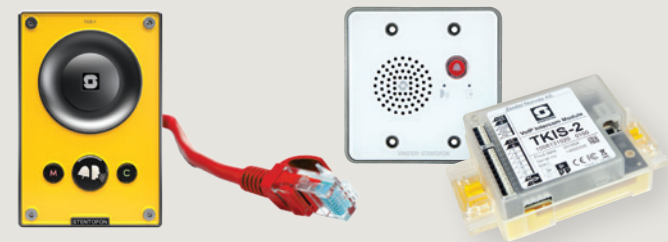
TCIV-3
w/Video MJPEG or h264

TCIS-2
Vandal Resistant

TFIE-1
Heavy-Duty Industrial

TKIS-2 VoIP Interface
Build your own IP Station. Upgrade analog PA to IP

TKIS-2

IP Speaker

SDK/API
Intercom Integrated in your own software

DTMF SCRIPT
Custom Event Script for integration with e.g. Access Control and CCTV

IP Network w/PoE

3rd Party
SIP Device

PC-client
3rd Party SIP-client

VS-Client
Dedicated PC client

Gateway
ISDN/GSM Telephony

PULSE TRUNK

Build a network of PULSE Systems

EASY SETUP & INSTALLATION

▶ **EASY TO SET UP**

▶ **EASY TO EXPAND**

▶ **EASY TO MAINTAIN**

Setting up PULSE can be done by manually logging into each station and entering the settings or use our dedicated VS-IMT to discover, upgrade and configure the system.
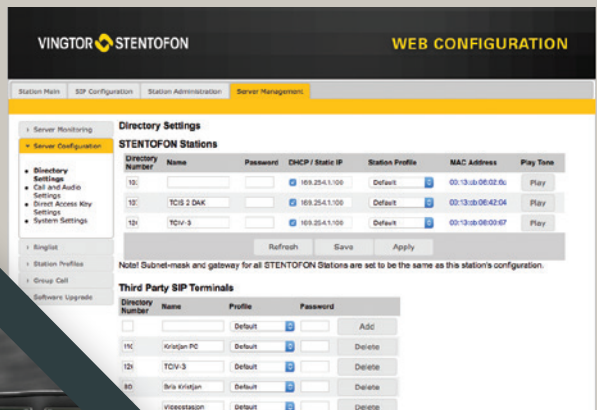
STEP 1
Choose stations for your project and connect them to a (PoE) LAN

STEP 2
Choose which unit will operate as the PULSE Server.

STEP 3
Configure the Server and Clients. Either via Web-Interface and/or via our dedicated VS-IMT configuration tool

STEP 4
Login into the PULSE Server and upgrade to Enterprise in order to setup a PULSE Trunk with a remote site.

A FUTURE PROOF SYSTEM

Vingtor-Stentofon offers three platforms for IP Communication; PULSE BASIC, PULSE ENTERPRISE and AlphaCom XE. Utilizing the same type of IP Intercom devices, each platform covers a specific demand in size and complexity of your system. This gives you the flexibility to start with a small system and expand it gradually as necessary.

	PULSE BASIC	PULSE ENTERPRISE	AlphaCom XE
Max # of Stations	16	Unlimited via Trunking	Unlimited via AlphaNet
Call Qeueing	Basic	Basic	Advanced
Intercom Services	Basic	Basic	Advanced
Error Reporting	Basic	Basic	Advanced
Conferencing	If SIP phone supports it	If SIP phone supports it	20 Open Duplex / 50 Push-to-talk
Networking		Yes	Yes
System Integration		SDK/API	SDK/API/OPC/
Scripting		Yes	Yes
Redundancy			Yes
Audio Messaging			Yes
Analog Intercom			Yes
Auto-Attendant			Yes
Voice Support Call Guidance			Yes
Monitoring & Logging			SNMP trap, SNMP MIB, syslog, Web, e-mail, SqLite

VINGTOR STENTOFON
by ZENITEL GROUP

A FEW OF THE MANY STATIONS WE OFFER:

TKIS-2

This little box allows you to build your own dedicated intercom station. It is also very popular as a VoIP Interface to analog Public Address and Radio Systems.

ELSII-10H

We have been offering IP PoE speakers for over 5 years. Our latest generation of Exigo Horn speakers use the same technology as our Turbine stations to provide excellent audio using a 10W Class D Amplifier.

TCIV-3

Our most popular stations series to date is now available with Video. The TCIV-3 station adds a video component to the crystal-clear audio quality the Vingtor-Stentofon product line is known for.

www.zenitel.com