Software

Visocall Mobile
Visocall Mobile is used for query and processing of calls via smartphone.
It allows the care staff to communicate with patients and staff anywhere, anytime.

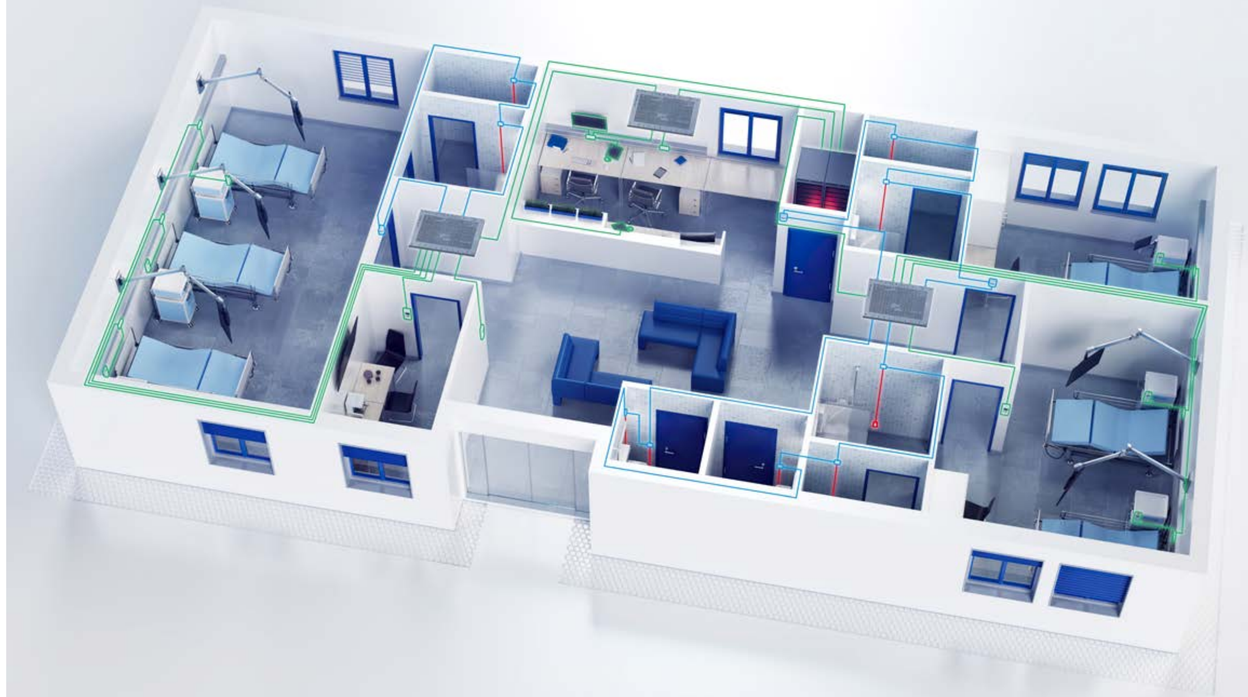
Control panel
The ward control panel ensures a clear and simple display and operation of the Visocall IP system. The graphic interface provides clear ward plans, interactive room buttons, event lists and context-related control buttons. It thus provides a clear overview at any time of the events occurring in the respective ward.

Event database
The event database supports the care documentation. All calls, staff presence and system events are recorded with time, date and corresponding information about the ward and the room name. The database can be searched for events depending on a time period and/or a location, whereby the display and evaluation of the server-side stored data takes place via web browser.

System Monitor
The System Monitor is used for building service departments to evaluate system changes and fault memories or to display system faults. It has password-protected access and can manage several Visocall IP systems.

Audio Manager
The Audio Manager enables targeted announcements, voice prompts or calls to patients and staff. By assigning inputs, audio content can be sent to predefined wards and general announcements can be controlled by external systems.

Patient Management
The Patient Management is used to collect, display and print important patient data, which should be displayed immediately on the screen when a phone call is received. The patient data is required for the entries in the event database, but can also be used optionally, e.g. for the recording and billing of fee data or for the detailed display of alarms from the RTLS.



SCHRACK SECONET

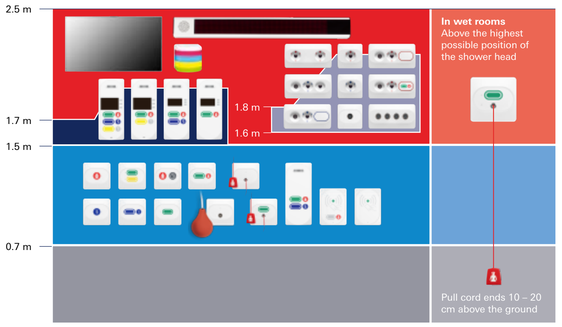
Visocall IP

System overview

EN

HEALTH CARE

Installation height



System limits

The configuration of communication systems as well as the installation, commissioning and maintenance of the products (and the systems built with them) require special expertise and may therefore only be carried out by trained specialist personnel.

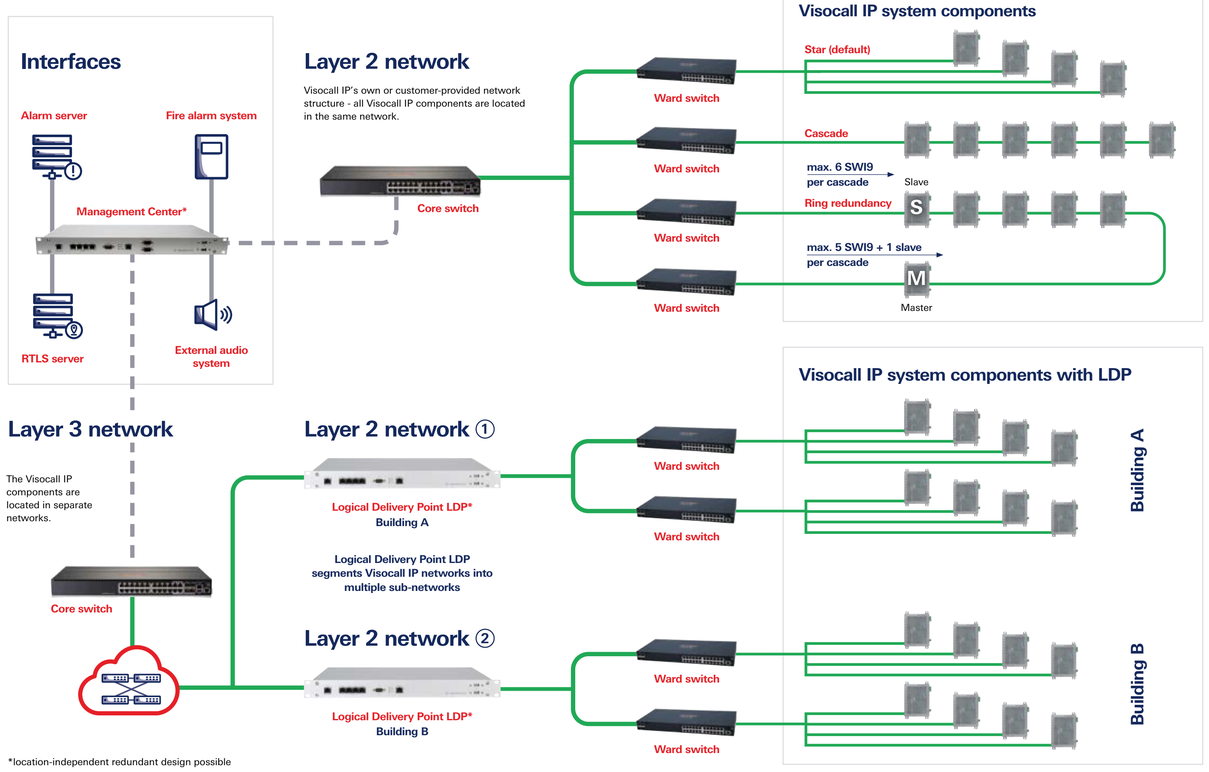
General:
- max. 75 wards
- max. 130 rooms per ward
- max. 16 beds per room
- max. 6 system switches per cascade
- max. 8 sum criteria per system switch
- max. 2000 IP components per Management Center
- max. 1000 IP components per Logical Delivery Point

IP components:
- max. 100 m cable from uplink
- max. 100 m cable to communication terminal
- max. 60 m cable to connection module / Staff Terminal
- max. 60 m to connection module / patient handset
- max. 7 patient handsets per system switch

IO-bus:
- max. 20 rooms without speech per system switch
- max. 1200 m cable length
- max. 127 participants
- max. 500 mA per IO-bus

Basic components:
- max. 50 m cable length to basic components

Networking



*location-independent redundant design possible

Future-proof through IP technology

The increasing demands of a modern hospital require intelligent solutions for planning, implementation and future expansion. Conventional systems no longer meet these requirements in terms of functionality and life cycle costs. System integration with mature IP technology creates new possibilities:

- A powerful network for a wide variety of services and functions avoids a large number of individual installations, cabling expenditure and investment costs.
- System integration offers higher availability and reduced maintenance and operating costs over the entire system life.
- Simple data exchange using the Internet protocol overcomes conventional barriers and enables the smooth interconnection of various trades.

- Staff call
- Telephony
- Voice communication between patient and staff
- Announcements
- Provision of media content (radio, TV, video streaming, Internet, Intranet)
- Control of light, blinds, TV
- Logging care data
- Cost accounting
- Connection of external systems (alarm server, RTLS server, fire alarm system, DECT telephone, external audio system)
- Information from external devices (medical devices, sensor mats etc.)

Cost effective for installation and operation
- Secure, modular and expandable system structure offers planning freedom for all functions and services in the care sector
- Plug-and-play modules reduce commissioning and maintenance costs
- Durable and low-maintenance products

For all forms of organization in health care
- Suitable for centralised, decentralised and mixed organizational forms
- Care organization across ward boundaries
- Call prioritization for fast and targeted response (emergency calls, heart alarm, etc.)
- Large selection of devices for exact adaptation to the care needs
- Intuitively operable devices for staff and patients

Reliable, compliant with standards and safe
- Highest reliability due to decentralised, intelligent modules
- Redundant structures for uninterrupted system availability
- Clear prioritisation of network services by means of quality of service
- Permanent and automatic function control
- Visocall IP is certified according to VDE 0834 and thus meets the highest requirements regarding safety and reliability

Subject to technical modifications!
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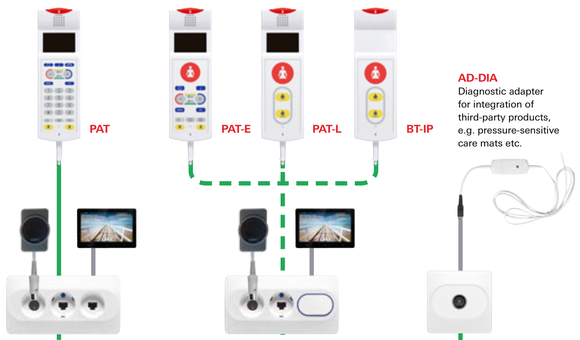
Patient handsets

	PAT	PAT-E	PAT-L	BT-IP	BT-B
Call button (red) with locating and reassurance light	•	•	•	•	•
Room and reading light control (optional KNX)	•	•	•	•	•
Case and keypad in germ inhibiting design	•	•	•	•	•
Intellifix self-ejecting plugs	•	•	•	•	•
Call function with communication option	•	•	•		
LC display with position alignment and automatic brightness control	•	•	•		
Headphones socket	•	•			
Service call with speech option	•	•			
Radio operation	•	•			
Channel selection and volume adjustment for system TV	•	•			
Integrated IP phone	•	•			
Secocare Data	•	•			
Secocare Assist	•	•			
Control system for the blinds	•	•			
IR reception for integration of home automation devices	•	•			
Automatic volume level	•	•			
Menu-driven operation	•	•			
Numerical keypad	•				
Connection to IP connection modules	•	•	•	•	
Connection to IO-bus connection modules or basic connection modules					•



AD-DIA
Diagnostic adapter for integration of third-party products, e.g. pressure-sensitive care mats etc.

SM
Connection module for connecting Staff Terminal, patient handsets, diagnostic devices, radio receivers or diagnostic adapters.

SM-MMC
Connection module for connecting patient handsets, diagnostic devices, radio receivers or diagnostic adapters.

DM1-IP
Diagnostic module for room-by-room connection of diagnostic devices, radio receivers or diagnostic adapters.

Operating and indication devices

Text terminal
For clear displaying of Viscall IP events – with built-in speaker for announcements.

Text display
For displaying Viscall IP events on large screens.

VTXT-IP

VDVI-IP

ICT-IP
Intercom Terminal in stainless steel design for use as door intercom.

KMT & KMT-L
Communication terminals with optical and acoustic call forwarding for all rooms of the ward in which a speech connection for the staff is required. The KMT and KMT-L communication terminals have a fully graphic display, as well as call, presence and function buttons (radio, timer function, etc.).

ST-TOUCH
Staff Terminal as a central communication and information center for staff within a ward.

- integrated VoIP telephone
- 7 inch touch display
- overview of all events
- intuitive operation
- icons for faster overview of upcoming events
- interactive screen content
- direct selection of communication and patient handsets
- also suitable for wall-mounting

SM-S
Connection module for connecting Staff Terminal and patient handsets.

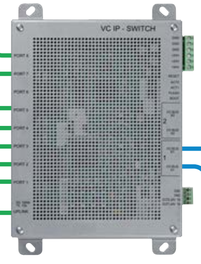
TV and Multimedia

TV sets
For room-by-room or bed-by-bed television with operation via patient handset.

Multimedia terminal, IP-TV, Internet
For bed-by-bed patient entertainment (TV, radio and Internet), menu orders, interactive patient surveys and much more.

TVI-IP

SWI9
System switch as a decentralised communication node for data exchange between the system devices.



- IP ports for connecting IP enabled system devices
- interfaces for the connection of IO-bus devices
- 24V outputs for additional power supply of system devices
- designed for redundant operation

max. 8 IP ports
max. 2 IO-bus
max. 4 multimedia terminals per SWI9

Sub-trades and interfaces

Visocall Mobile
Interface for querying and processing of Viscall IP calls via smartphone.

Alarm server
Interface for transmitting all events of the Viscall IP system to an external alarm server.

RTLS Server
Visocall IP takes over the messages of the external RTLS with this interface.

Fire alarm system
For non-reactive forwarding of fire alarms to the Visocall IP system.

DECT telephone
Interface to the in-house telephone system for querying and processing Visocall IP calls with a DECT telephone.

External audio system
Interface between Viscall IP system and external audio system for voice announcements.

MS4-I
Multi Sound Interface as interface to external audio systems.

Building automation
KNX/EIB interface for controlling light and shutters via the Visocall IP system.

Hospital information system
HL7 data interface between the Management Center and the hospital information system.

TV and radio
Interface to the Sound Interface to transmitting the radio signal to the Visocall IP system.

Control panel
For clear and simple display and operation.

Management Center

Ward switch

IO-bus components

System devices such as call and cancel pushbuttons, overdoor light etc. are connected to the SWI9 system switch and thus to the Visocall IP network via its IO-data bus.

- max. 20 rooms without speech per system switch
- max. 1200 m cable length
- max. 127 participants per IO-bus
- max. 500 mA per IO-bus

RT-IO
Call pushbutton with integrated locating and reassurance light.

AWT-IO
Presence pushbutton with two buttons (green and yellow) with control LEDs.

ART-IO
Doctor call pushbutton with integrated locating and reassurance light.

ARAT-P-IO
Doctor call pushbutton with cancel button with integrated locating and reassurance light and piezo buzzer.

SRT-IO
Call and service call pushbutton with integrated locating and reassurance light, call button and service call button with control LEDs.

ZTB-IO
Pull cord call switch with locating and reassurance light and 2 m pull cord.

PT-IO
Pneumatic call switch with integrated locating and reassurance light, 2 m pneumatic hose and pressure ball.

ZRAT-IO
Pull and cancel pushbutton with integrated locating and reassurance light and 2 m pull cord.

AT-IO
Cancel pushbutton with control LED.

RATB-IO
Call and cancel pushbutton with integrated locating and reassurance light.

RAT-P-IO
Call and cancel pushbutton with integrated locating and reassurance light and piezo buzzer.

SSR-IO
Latching relay for direct connection of up to 2 independent light sources (e.g. room light and reading light). Operation by means of PAT, PAT-E, PAT-L, BT-IP and BT-B.

IO-M
Input/output module as bidirectional and potential-free interface to external devices. Viscall IP events can thus be forwarded to other systems or taken over by other systems.

IO-M-P
Input/output module as bidirectional interface to external devices with three potential-bearing inputs and three potential-free outputs. Viscall IP events can thus be forwarded to other systems or taken over by other systems.

ZTD-B
Room terminal with optical and acoustic call forwarding for all rooms of the ward in which no speech connection is required for the staff. It has call, presence and function buttons (display brightness / contrast, volume) and is suitable for connecting up to 5 basic components.

ZTD-B-L
Room terminal with optical and acoustic call forwarding for all rooms of the ward in which no speech connection is required for the staff. It has a call and presence button, function keys (display brightness / contrast, volume) and is suitable for connecting up to 5 basic components.

ZT-B
Room terminal with optical and acoustic call forwarding for all rooms of the ward in which no speech connection is required for the staff. It has a call and presence button and is suitable for connecting up to 5 basic components.

ZE-B
Control electronics with integrated circuit board for expanding the functions of individual rooms, suitable for installation in electrical distributors, false ceiling etc. and for connecting of up to 5 basic components.

SM-B
Connection module with call and presence button with integrated locating and reassurance light for connecting BT-B pear pushbuttons, diagnostic devices, radio receivers with power supply unit (with disconnection call). Suitable for connecting up to 4 basic components.

SMU-B **
Connection module with call and presence button with locating and reassurance light for connecting BT-B pear pushbuttons, diagnostic devices, radio receivers or AD-DIA (with disconnection call).

DMU-IO **
Diagnostic module for connecting diagnostic devices, a radio receiver or AD-DIA (with disconnection call).

DM-IO
Diagnostic module for connecting 4 diagnostic devices or a radio receiver with power supply unit (with disconnection call).

RFID-IO
Card reader for setting the presence in the patient's room - can be used in combination with communication or room terminals.

RFID-IO-FRT
Card reader for setting presences in the patient room with function key, call button and control LEDs.

LM-IO
Overdoor light visible from afar for visual signalling of information, configurable as a room, direction, care group or ward lamp.

Basic components

Cable length from IO-bus components to basic components max. 50 m.

SM2-B
Connection module for connection of 2 BT-B pear pushbutton.

BT-B
Pear pushbutton with 2 call buttons, integrated locating and reassurance light and two light buttons.

SM1-B-S
Connection module for connecting one BT-B pear pushbutton.

SM1-B
Connection module for connecting a BT-B pear pushbutton and a diagnostic device.

Medical device
with galvanic isolation according to EN 60601-1 (e.g. infusion pumps etc.).

RT-B
Call pushbutton with integrated locating and reassurance light.

ZRTB-B
Pull cord call switch with locating and reassurance light and 2 m pull cord.

PT-B
Pneumatic call switch with integrated locating and reassurance light, 2 m pneumatic hose and pressure ball.

AT-B
Cancel pushbutton with control LED.

ZRAT-B
Pull and cancel pushbutton with integrated locating and reassurance light and 2 m pull cord.

ART-B
Doctor call pushbutton with integrated locating and reassurance light.

RATB-B
Call and cancel pushbutton with integrated locating and reassurance light.

LM-B **
Overdoor light, visible from afar for visual signalling of information, configurable as a overdoor light.

SMF-B **
Radio connection module for connecting a radio receiver with automatic input monitoring and independent call triggering.

Radio components

VR7-5
Radio receiver can be connected to SM, SM-MMC, DM1-IP, DMU-IO, SMU-B.

PS 3
Large-scale radio pneumatic transmitter with battery monitoring and protection class IP 44.

VR7-5 DIN-NT
Radio receiver with power supply unit (safe isolation according to DIN 60601-1 / 2xMOPP), for connection to all connection and diagnostic modules.

F-MP-869
Radio cushion with highly sensitive pressure sensors, battery monitoring and protection class IP 30.

F-ZS-869
Radio pull cord call switch with approx. 2 m pull cord, control LED, battery monitoring and protection class IP 68.

A01T-L869 and B01T-L869
Pressure-sensitive CareMat sensor mat with integrated radio transmitter and battery monitoring as bed mat for patients in need of care (110 x 70 or 70 x 40 cm).

F-RTS-869
Radio call pushbutton with control LED, battery monitoring and protection class IP 68.

F-PS-869
Radio pneumatic ball button for wall-mounting with control LED, battery monitoring and protection class IP 66.

F-VMS-869
Radio combi-transmitter with call button, battery monitoring and control LED with protection class IP 68 in plastic case with elastic wrist strap and neck cord.

** these components require an additional power supply from the SWI9 system switch or from the system power supply unit