Intrusion

Intrunet SI120/SI220 – made to measure security with a "plus"

SIEMENS

Optimal security for individual needs...

With the Intrunet™ SI120 and SI220 intrusion control units (formely Sintony 120 and 220), Siemens builds on decades of security expertise and technological innovation: The systems offer private households and small to medium size businesses the flexibility of adaptable security and high performance intrusion detection. Easy to install and to use, wired or wireless, both units use one common programming software and can be configured to fit individual needs. Well proven detectors offering the latest in intelligent signal analysis also combine to deliver early and reliable detection and reduced false alarms. And with remote programming and activation, the maintenance of the units is equally easy... for all round high performance and flexible security from Siemens.

The right security choice for...

Highest detection reliability and false alarm immunity

Siemens has been setting the standards for innovative and professional security technology for decades. The Intrunet SI120 and SI220 control units draw from this expertise to deliver comprehensive and reliable security. When combined with the range of Siemens detectors, the resulting systems offer the highest detection accuracy and unmatched false alarm immunity.

Multifunctionality and scalability

Both control units benefit from a future-proof design: in their basic configuration, the systems are based around the central control unit and the LCD remote keypad. Multifunctional, they facilitate audio and video alarm verification, remote or in-situ programming and activation via PC, as well as alarm and event transmission using common communication paths (PSTN, ISDN, IP, GSM/GPRS). The systems support wired or wireless devices, and also allow for further security functionality to be integrated, such as door control or local video surveillance. Plug-in on-board and E-Bus modules enable easy system expansion, whilst communication modules allow for customised alarm transmission and system parameterisation and maintenance.

User friendliness

The Intrunet keypads are practical and easy to use: pre-programmed keys and a large LCD display with clear, full text messages make for easy operation. The latest additions to the range also have an integrated card reader and extra LEDs and keys which can be used to communicate with additional devices and for direct intervention.

Installer friendliness

The control units were designed for cost-effective system installation and commissioning. The programming is easily done via the LCD keypads and the Sylcom® software for all parameters, so the risk of incorrect configuration is virtually eliminated.

Tamper-proof systems

Both models and their associated detectors, system components and accessories are tamper-proof to prevent any damage or unauthorised manipulation.

Cost-effective and comprehensive security

The Intrunet SI120 and SI220 control units are the right platform on which to build a cost-effective intrusion detection system, which facilitates the complete security process including reliable alarm verification and transmission:
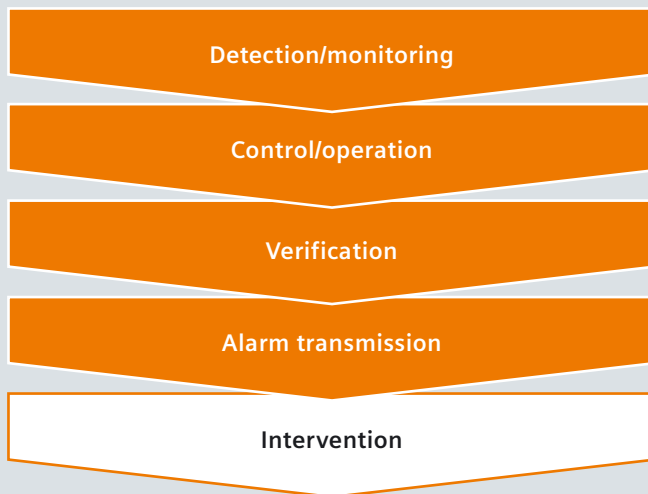
- Detection/monitoring
- Control/operation
- Verification
- Alarm transmission

Highlights

- SI120 for homes and small businesses
- SI220 for small and medium size businesses
- Highest detection reliability and false alarm immunity
- Multifunctional and scalable intrusion detection systems
- Simple programming and operation
- Tamper-proof systems
- User-friendly LCD keypad with integrated card reader and additional user interfaces "PLUS"
- Extensive range of add-on communication modules "PLUS"
- High level integration with IP/GSM connectivity "PLUS"

Intrunet SI120 and SI220 – comprehensive security for a wide range of small to medium applications

Detection/monitoring

Control/operation

Verification

Alarm transmission

Intervention

Extensive functionality and reliable technology

■ **High performance of Siemens detectors**

The wide range of Siemens internal and external motion detectors complements the SI120 and SI220 systems to deliver customised intruder detection... External PIR detectors, internal dual motion detectors and specialist detectors such as seismic and picture surveillance devices will ensure the system is well suited for even high security applications.

■ **Versatile system functionality enhancements**

The systems support wired and wireless devices, and also allow for further securi-

ty functional enhancements, such as local video surveillance (e.g. alarm triggered video recording).

■ **Comprehensive alarm transmission and verification tools**

Various standard protocols are supported to connect the system to an alarm receiving centre, where further audio and video alarm verification can be conducted thanks to comprehensive range of add-on products.

Detectors can be linked to defined verification zones so that the relevant module (e.g. audio, video) can be activated immediately following the alarm.

With the Intrunet SI120 and SI220 systems, alarms can be further qualified through event filtering or the use of additional verification devices, such as listen-in/speak-out devices.

■ **Integrated and extensive communication**

The central control unit offers optional plug-in communicators which give access to a wide range of physical paths (see table page 5):

■ Alarm verification and transmission for alarm receiving centres
■ Configuration and maintenance with service computers (information upload and download)

■ Voice or SMS messages for individuals

■ **Reliable event log**

All events are stored in the event memory, along with the date and time of occurrence. A separate event memory is available for each defined security partition, as well as for the whole system.
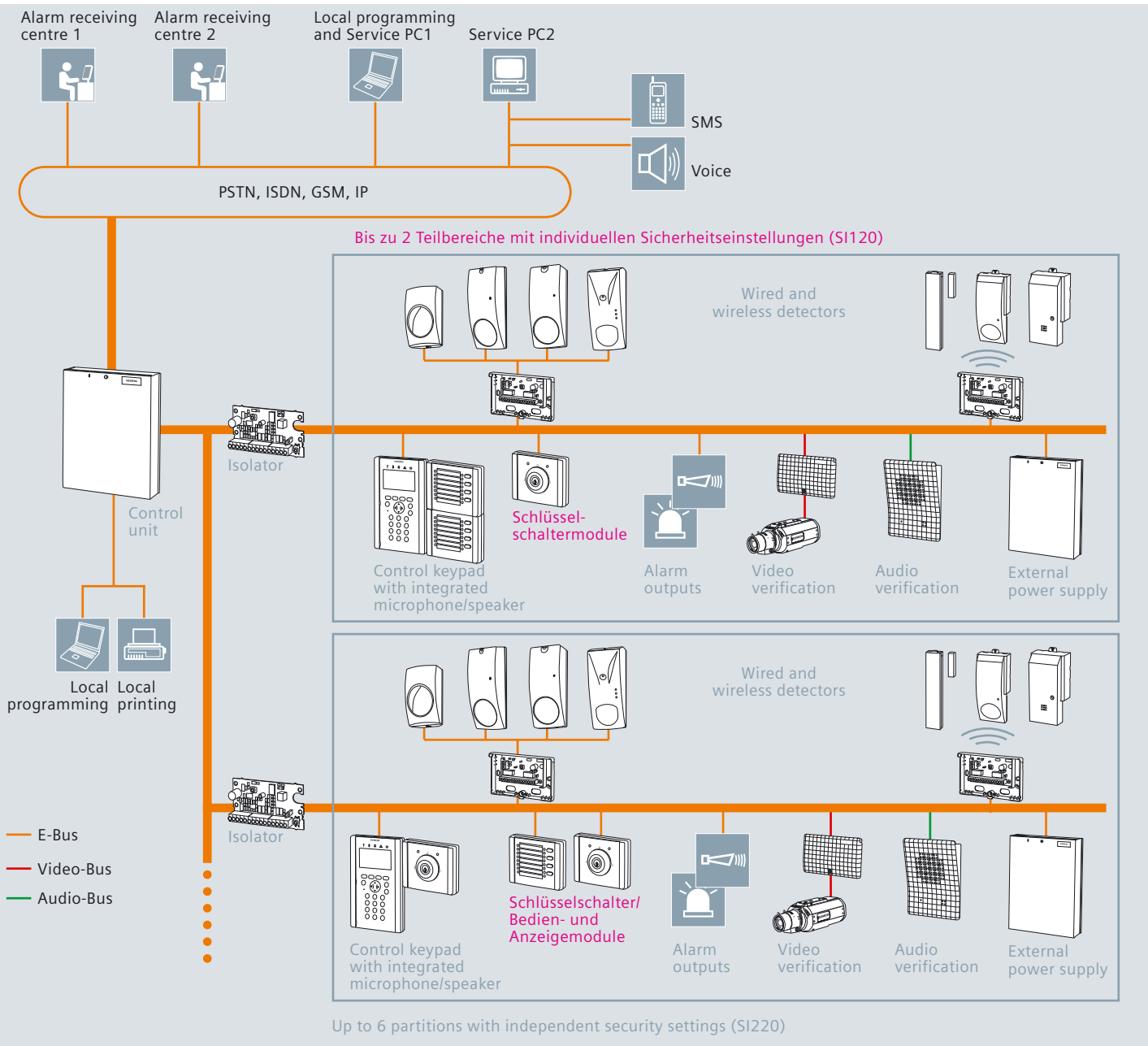
■ **Simple installation and partitioning**

Input/output modules, power units and remote keypads are connected to the central control unit via the E-Bus. Consistent use of the Bus technology yields many advantages, including reduced labour outlay, ultra-simple system planning and lower installation costs. The E-Bus can be separated into galvanic isolated partitions with "isolator" modules, so if one part of the system goes down, the rest of the system is not affected. This also facilitates fault finding as a tamper alarm is triggered by each device connected on the E-Bus individually in case of operational failure.

■ **Designed – in system redundancy**

Siemens understands that system reliability is key to strengthened security: the battery, mains and fuses are continuously monitored and failures are reported to the main board via the E-Bus. In addition, the IP and GSM (GPRS) modules provide redundant connection via IP and GSM (GPRS) and SMS event messages.

Wesentliche Merkmale

■ Extensive communication and service functionality

■ Communication over PSTN, ISDN, IP, GSM/GPRS   *"PLUS"*

■ Audio and video alarm verification

■ Designed-in system redundancy

■ Simple installation and operation

■ Reliable event log

■ Full range of wired and wireless components

■ Event notification via SMS or voice messages   *"PLUS"*

Alarm receiving centre 1 | Alarm receiving centre 2 | Local programming and Service PC1 | Service PC2

SMS

Voice

PSTN, ISDN, GSM, IP

Bis zu 2 Teilbereiche mit individuellen Sicherheitseinstellungen (SI120)

Wired and wireless detectors

Control unit

Isolator

Schlüssel-schaltermodule

Control keypad with integrated microphone/speaker

Alarm outputs

Video verification

Audio verification

External power supply

Local programming Local printing

Wired and wireless detectors

Isolator

Schlüsselschalter/ Bedien- und Anzeigemodule

Control keypad with integrated microphone/speaker

Alarm outputs

Video verification

Audio verification

External power supply

— E-Bus
— Video-Bus
— Audio-Bus

Up to 6 partitions with independent security settings (SI220)

■ Advanced software-based configuration

The Sylcom software can be used for configuration and maintenance of both SI120 and SI220 control units. The system can be accessed locally or via analogue and IP networks. For optimum site data management Sylcom can also be configured as an un-operated parameter server, which the control units can access remotely to up- and download predefined or modified configuration parameters.

■ Different service levels

The latest enhancements to the control units provide a wider range of physical paths (PSTN, ISDN, IP and GSM/GPRS) and service functions, including support to the Sylcom programming software, alarm transmission or SMS (see table below for more details on paths/service compatibility).
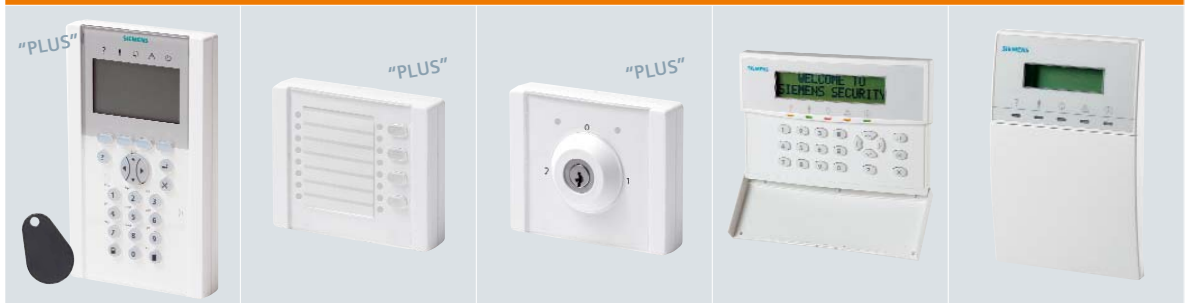
	Configuration and maintenance	Alarm management		Alert messages	
Communications (physical paths)	Sylcom	Alarm transmission	Alarm verification	Voice	SMS "PLUS"
PSTN	■	■	■	■	
ISDN	■	■	■	■	
IP "PLUS"	■	■			
GSM (GPRS) "PLUS"		■			■

A comprehensive range of peripherals

System components*

User-friendly keypads

The keypads are equipped with a graphical or a 2-line, 16 character display. The display and the keys are fitted with backlights. The 5 LEDs display the most important system status. Different versions are available: with or without a flap, with audio function, with large LCD display and with integrated card reader (cards and tags supplied separately). The latest additions to the range also include key-switch and annunciation modules.

Communication modules

A selection of communication modules are available for the SI120 and SI220 control units. They can be used for alarm transmission, parameterisation and maintenance. The Sylcom software enables a cost-effective facility management.

E-Bus/line expansions

Plug-in modules and peripherals such as LCD keypads, line expansions for inputs and outputs, audio/video or external power supplies support a professional installation. The control units feed, control and monitor the modules via E-Bus.

Audio and video alarm verification

The SI120 and SI220 control units provide an integrated solution for remote audio and video alarm verification. Buildings can be divided into verification zones, in each of which listening in, communicating to people or visually verifying an alarm is achievable via the keypad. This also gives the option to request remote support using the keypad.

* Further products and detailed information are available in our catalogue.

Intrunet SI120 and SI220 at a glance

■ Intrunet SI120
Ideal for entry level intrusion security.

The SI120 unit is the ideal choice for smaller systems (up to 2 partitions), also providing multimedia functionality for maximum security.

■ Intrunet SI220
One step up for medium size systems.

The SI220 unit offers similar functionality to the SI120 unit, but allows for up to 6 partitions to be defined and caters for more users.

Key technical features

	SI120	SI220
Partitions	2+1	6
Inputs	6 to 22	8 to 48
Outputs	5 to 23	8 to 49
Keypads with/without tag reader	1 to 3	1 to 7
User and user codes	up to 19	up to 49
Wireless detectors/remote controls	up to 12/7	up to 32/21
Verification zones	up to 6	up to 8
Applications	Homes, small businesses	Small and medium sized businesses

Welcome to the world of innovative thinking

■ Innovation
For the last 160 years, Siemens has been investing a great deal in both manpower and research and development. This has ensured a constant stream of new insights, technologies and inventions that enable us to continuously improve the reliability of our products and systems to make them easier to install and operate.

Advances in digital technologies are creating a whole new world of possibilities. Siemens has been at the leading edge of progress in this field and continues to redefine both current and future technologies.

■ Interoperability
Interoperable systems are now supplied alongside such basic requirements as lighting, heating and water in a building. As a company, we know that integration supports the business environment through the interaction of products and systems. We break down the barriers between our access control, intrusion detection and video surveillance product lines in our security portfolio and listen to what the market actually wants. We then develop to deliver both fully integrated and interoperable security systems, based on our 30 years of know-how in security.

The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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