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SUR-GARD
From Tyco Security Products

SG-System 5

Virtual receiver



Features that Making a difference:

- Monitors up to 1,474,560 IPs communicators (cellular or Ethernet) with up to 24 cards IP line and upgrade license keys
- Monitor PSTN accounts using our new card SG-DRL5-2L dual line, or upgrade to a System IV receiver existing to a System 5 using our SG-DRL5-ADPT to using SG-DRL4-2L line cards in System 5
- Patented AHS function with up to 1 million counts (expandable through licensing) and new formatting options and blockable link protocol for greater control
- It supports visual verification functions for DSC PowerSeries Neo
- Industry-leading account density per U-rack for a Maximum capacity of 24 IP line cards or 48 PSTN lines in a 4U space
- SG-DRL5-IP line card with capacity up to 4,096 IP accounts (512 visual verification / 512 supervised / 3072 unsupervised), upgradable up to 61,440 using keys license
- SG-DRL5-2L adds dual PSTN capability with over 150 available communication formats
- SG-CPM5 V1.1 adds 3 new modes of Automation: split reporting, multiport, and logging
- Integrated redundancy that includes interchangeable modules in hot and automatic switching of power and peripherals which eliminates downtime
- CMS access to visual verification files through from SG-Systems Console
- Remotely updatable via SG-Systems Console
- Real-time hardware diagnostics and system status real enhanced through the SG-Systems console and the touchscreen interface

Secure your investment for future needs

The new SG-System 5 is based on the legacy of Sur-Gard, of develop leading monitoring station receivers in the industry. Sur-Gard offers maximum reliability through of features such as built-in redundancy, eliminating the costs incurred due to system downtime. The new SG-System 5 also guarantees that the investment in The system must meet the growing system requirements. They can monitor up to 1,474,560 IP communicators Cellular or Ethernet via license keys update, as well as upgradeable memory. With the new PSTN line card and AHS table expansion up to 1 The SG-System 5 can scale to a million accounts. meet their business needs.

Support the innovative alarm verification solutions

SG-System 5 is compatible with the solutions of verification of industry trend alarms, such as visual verification, which significantly reduces the incremental costs that fakes may incur alarms, while increasing the RMR of the security professional.

PIR cameras are strategically installed as part of a security system and are activated at the moment when An alarm is activated via the SG-System receiver. 5, the images are sent instantly to the facility monitoring where the situation can be assessed quickly and accurately and escalate to the authorities, if necessary necessary, while providing critical information. The SG-Systems Console software allows workstations to Central Monitoring access visual verification images. Alternatively, in conjunction with software automation compatible

companies, the integrated receiver allows a seamless visual verification and higher output that improves processing speed of alarm communications.

Smaller but packed with power

The more compact size of the SG-System 5 makes it easier space management.

With a reduced overall size of 4U, the receiver offers the higher density of accounts per U rack available in the industry.

Built-in redundancy for power and switching Automatic operation ensures the continuous performance of all peripheral devices connected to the output ports.

Line cards are 'hot-swappable', which means that they can be removed and/or replaced quickly while the system is active.

The robust CPM has built-in diagnostics that identify proactively identify any problems and report them to Windows. easy to use.~ Software based on SG-Systems Console. continuous monitoring of automation software guarantees automatic backup on a port redundant. For example, if the automation system is When disconnected, the CPM automatically switches ports. Main Ethernet to a secondary one, or to one of the two serial ports, before switching to manual mode. The new licenses unlock SG-CPM5 TCP output ports Additional patented automation for greater redundancy and Load sharing to ensure maximum reliability. new split report automation mode balances the automation port traffic between both SG-CPM5 modules for redundancy or reporting to different automation software servers. new automation logging port (unlocked) (through a license) can also add flexibility to system by reflecting the port automation traffic all SG-TCP ports to the registration port.

Contact your Sur-Gard distributor at www.sur-gard.com | 1-800-418-7618

Programming changes are easily made using the touchscreen-based interface. menus or remotely via the Ethernet network connection using the software of the SGSystems console. Firmware updates can be conveniently performed at as they become available through the SG-Systems console software without hardware Additionally, this eliminates the associated downtime. The console software of SG-Systems also offers hardware diagnostics, fan monitoring, power monitoring, Network monitoring, as well as the overall status of the receiver. A touchscreen interface. Intuitive interface facilitates navigation through manual programming. The system status in Real-time information is also available through this easy-to-use touchscreen.

The SG-DRL5-IP IP line cards support up to 512 supervised accounts and up to 512 visual verification accounts, and up to 3072 unsupervised accounts. Using keys of License; two additional standard tables can be added for up to 12,228 per card. One Further expansion of the IP account to accommodate business growth can be managed easily via the SG-System 5 extended capacity license key with up to 15,360 unsupervised accounts, up to 2,560 supervised accounts, and up to 2,560 accounts of visual verification per table, resulting in up to 61,440 per line card and 1,474,560 for 24 lines.

The SG-DRL5-2L PSTN line card adds compatibility for monitoring a wide range of systems connected to telephone lines with support for more than 150 formats communication. The expandable SG-CPM5 memory and AHS licenses mean that the Receiver capacity can be scaled as more line cards are added.

The SG-DRL5-ADPT allows the reuse of existing SG-DRL4-2L line cards for help with the transition to SG-System 5.

Ordering information

Main hardware

Part No.	Description
SG-S5BASE-600	SG-MLRF5, SG-CPM5, SG-PSU5-600
SG-S5REDUN-600	SG-CPM5, SG-PSU5-600, SG-UIB5
SG-DRL5-IPSTD	SG-DRL5-IP receiver line card with pallet board
SG-DRL5-2L	Dual PSTN line card with paddle board
SG-DRL5-ADPT	Adapter that allows the use of SG-DRL4-2L cards in System 5
SG-S5LFANTR	SG-DRL5-IP Line Card Fan Tray (Required: one for every 6 IP line cards)
SG-S5LBRKT	SG-DRL5-2L extractor support (set of 2) (Required: one for every 6 PSTN line cards)
SG-SYS5MEM4	4GB EMMC Expansion for SG-CPM5 (includes license) for the first 250,000 AHS tickets)

Update license keys

Part No.	Description
SG-DRL5-IPSLIC2	512/512/3072 additional visual verification / Monitored/unmonitored IP accounts: for a total of 8,192 accounts
SG-DRL5-IPSLIC3	512/512/3072 additional IP accounts for visual verification / supervised/unsupervised, for a total of 12,288 accounts
SG-DRL5-IPXLIC	expanded capacity up to 2,560 / 2,560 / 15,360 verification Visual / IP supervised / unsupervised accounts per table - for a total of 61,440 accounts
SG-CPM5-250KAHS	License to add 250,000 AHS entries
SG-CPM5-AUTO	License to unlock TCP automation port 2, 3 or 4
SG-CPM5-LOG	License to unlock the SG-TCP automation registration port

Spare parts

SG-MLRF5	Metalwork on sub-rack
SG-PSU5-600	CPM module of source
SG-CPM5	600W PSU power supply
SG-DRL5-IPPAD	Paddle IP Card
SG-UIB5	User interface touchscreen module

Technical specifications

SG-MLRF5	19" x 3.5" x 12.24" (38cm x 9cm x 31.1cm) 4U NOTE: Uses a standard 19" frame 110/220 VAC, 50/60 Hz, 2.5 A (max) 200 W max.
Backup battery	External UPS (not supplied)
Operating environment	32 - 122 °F (0 - 50 °C) 90%, non-condensing
Built-in connectors	- Þrinter paurearlteolode - 2 x RS-232 serial connection to the automation software (used by the monitoring station) - RS-232 serial connection to external serial printers - Ethernet: RJ45 modular connector for 1GB or 10/100Base automation output
Line card capacity	Up to 24 line cards
Line card - IP (SG-DRL5-IP)	- 512 event/card memory buffer - 128-bit AES encryption - Anti-piracy design - Compatible with all DSC IP alarm communicators (cellular or Ethernet) and licensed partners - 512 visually verified IP accounts - 512 monitored IP accounts - 3,072 unmonitored IP accounts

PSTN Line Card (SG-DRL5-2L) - Up to 2 PSTN lines / card

- Up to 64 different profiles/cards with up to 8 different handshakes per profile

- SG-uSaylisztaecmio5nes of software through the console

- Communication supported up to 150 formats, including: 10-40 baud, 3/1, 4/2 checksum, 3/1,4/1, 4/1 ext. 4/1 or 3/2, 4/2, Express, Acron, Adcor, Ademco Express, Ademco High Speed, Ademco Super Fast, BFSK, Contact ID, FBI Super Fast, ITI, Modem IIIa2, Modem II, IIA, IIB, IIE, Sescoa Super Speed, SIA 20, SIA 8, SIA I, SIA II, SIA III, SK FSK 1, SK FSK 2, Sur-Gard 4/2, 4/3

(For a complete list, see the Manual)

5) operation of the SG-System

Display screen	Touchscreen user interface

Industry approvals

USA	- FCC Part 15 Class B
	- UL1610 (commercial theft)
	- UL864 technical specifications (commercial fire)
	- CSFM (commercial fire)
	- NIST certification for 128-bit AES encryption
Canada	- ICES Class B
	- ULC-S559 (commercial fire)
	- ULC-S304 (commercial theft)

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