

SG-System 5

Virtual receiver



Features that make a difference:

- Monitor up to 1,474,560 IP communicators (cellular or Ethernet) with up to 24 IP line cards, and upgrade license keys
- Monitor PSTN accounts - phone line - with our new two-line SG-DRL5-2L card or a single line SG-DRL5 line card
- Patented AHS technology with up to 1 million accounts (expandable via license) and new assignable handshake and format options for added control
- Supports visual verification features for DSC PowerSeries Neo
- Industry Leader for Account Density per Rack Unit: Maximum capacity of 24 IP line cards or 48 PSTN lines in a 4 rack unit configuration
- SG-DRL5-IP line card for up to 4096 IP accounts (512 visual verification, 512 supervised and 3072 unsupervised); can be expanded up to 61,440 via license codes
- SG-DRL5-2L and SG-DRL5 add PSTN capability with more than 150 available communication formats
- SG-CPM5 V1.1 brings 3 new automation modes: Split Report, Multiple Ports and Record Port
- Built-in redundancy, including hot-swap modules (hotswappable) and automatic switching of power supply and peripherals, eliminates downtime
- Monitoring stations (CMS) access to visual verification files through SG-System Console software
- Remote update via SG-System Console software
- Better hardware diagnostics and real-time system health via SG-System Console software and a touch screen interface

Secure investment for needs future

The new SG-System 5 is based on the industry-leading Sur-Gard technology for monitoring station receivers. SurGard provides the highest level of reliability by offering features such as built-in redundancy, which eliminates the costs of system downtime. The new SG-System 5 also ensures that the investment made in the system is adapted to the increasing demands of the system. Up to 1,474,560 IP communicators can be monitored over cellular or over Ethernet with upgradeable license codes and upgradeable memory. The new SG-System 5 can scale thanks to the new RTC line cards and the possibility of having up to 1 million accounts in the AHS table, thus meeting the needs of your business.

Compatible with innovative solutions check of alarms

The SG-System 5 is compatible with industry trend alarm verification solutions, such as visual verification, significantly reducing the incremental costs caused by false alarms and contributing to the recurring monthly revenue of the security professional .

PIR cameras are installed in strategic locations as part of a security system and are activated when shooting

an alarm. Images sent instantly via the SG-System 5 Receiver to the monitoring center can be accurately and quickly assessed and escalated to authorities, if necessary, providing critical information. SG-System Console software enables Central Monitoring Stations (CMS) to access visual verification images. On the other hand, in combination with compatible automation software, the integrated receiver allows a seamless presentation of visual checks and more accurate information, which accelerates the processing of alarm communications.

More compact but with all the power

The more compact presentation of the SGSystem 5 makes space management easy.

With a small total footprint of 4 units, the receiver offers the highest density of accounts per rack unit in the industry.

Built-in redundancy levels for power and automatic switching ensure continuous performance of all peripheral devices connected to the output ports.

Line cards allow for hot-swapping, which can be quickly removed and / or replaced with the system running.

Robust CPM module incorporates diagnostic capabilities that proactively identify problems and report them to the Windows-compatible SG-System Console software software . Continuous monitoring of automation software ensures change

automatic to a redundant port. For example, if the automation software is disconnected, the CPM automatically switches from the primary Ethernet port to a secondary one, or to one of two serial ports, before enabling manual mode. The new licenses unlock other proprietary outbound ports of the SG-CPM5 TCP to add redundancy and share loads, ensuring greater reliability. The new mode of sending split reports to automation software balances the traffic of the automation ports between the SG-CPM5 modules to provide redundancy or enable reporting activities between different automation software servers.

Programming changes are easily made from a touch screen menu or remotely via an Ethernet connection with SG-System Console software. Firmware can be upgraded through SG-System Console software hassle-free and without the need for additional hardware, eliminating time

associated inactivity. The SG-System Console software also offers hardware diagnostic capabilities, with which to monitor network supervision, fan, power, and overall receiver status. An intuitive touch screen interface makes it easy to navigate through manual programming options. It is also possible to view the status of the system in real time on the easy-to-use touch screen.

The IP line cards (SG-DRL5-IP) support a maximum of 512 supervised, 512 visual verification, and 3,072 unsupervised accounts. Two additional standard tables can be added for up to 12,228 per card with license keys. You can easily expand the number of IP accounts even further to meet your growing business needs with the SG-System 5 Extended Capacity License Key. This way, you can enjoy a maximum of 15,360 unsupervised accounts. ,

2,560 supervised accounts and 2,560 visual verification accounts per table, resulting in 61,440 per line card and 1,474,560 for 24 lines.

The SG-DRL5-2L and SG-DRL5 PSTN line cards add support for monitoring a wide variety of telephone line connected systems with more than 150 communication formats. SG-CPM5's expandable memory and AHS licenses help scale receiver capacity as more line cards are added.

Order information

Main Hardware

Part No.	Description
SG-S5KIT1-IPS	SG-BASE-600 (SG-MLRF5, SG-PSU5-600, SG-CPM5), SG-DRL5-IPSTD, SG-S5LFANTR
SG-S5KIT2-IPS	SG-BASE-600 (SG-MLRF5, SG-PSU5-600, SG-CPM5), SG-S5REDUN-600 (SG-PSU5-600, SG-UIB5, SG-CPM5), 2 SG-DRL5-IPSTD, SG-S5LFANTR
SG-DRL5-IPSTD	SG-DRL5-IP line card with connection plate Two-line
SG-DRL5-2L	PSTN card with connection plate Single-line PSTN card with connection plate
SG-DRL5 *	
SG-S5LFANTR	SG-DRL5-IP Line Card Fan Tray (Required: One for every 6 IP Line Cards)
SG-S5LBRKT	SG-DRL5-2L Puller Bracket (2 pcs) (Required: one for every 6 RTC line cards)
SG-SYS5MEM4	4GB EMMC Expansion for SG-CPM5 (includes license for first 250,000 AHS entries)

Upgrade License Keys Part No.

Part No.	Description
SG-DRL5-IPSLIC2	512, 512 and 3,072 additional IP accounts for visual verification, supervised and unsupervised, for a total of 8,192 accounts
SG-DRL5-IPSLIC3	512, 512 and 3,072 additional IP accounts for visual verification, supervised and unsupervised, for a total of 12,288 accounts
SG-DRL5-IPXLIC	Capacity extended to a maximum of 2,560, 2,560 and 15,360 additional IP accounts for visual verification, supervised and unsupervised, for a total of 61,440 accounts
SG-CPM5-250KAHS	License to add up to 250,000 AHS entries
SG-CPM5-AUTO	License to unblock automation TCP ports 2, 3 or 4
SG-CPM5-LOG	SG-TCP Automation Registration Port Unlock License

Spare parts

SG-MLRF5	Metallic subrack
SG-PSU5-600	600 W power supply CPM module
SG-CPM5	
SG-DRL5-IPPAD	IP connection card
SG-UIB5	Touch screen module for user interface

* Note: SG-DRL5 is not available in Brazil for regulatory approval reasons.

Technical specifications

SG-MLRF5	19 "x 3.5" x 12.24 "(38 cm x 9 cm x 31.1 cm) 4 units
	NOTE: Uses standard 19 "(38 cm) rack
	110/220 VAC, 50/60 Hz, 2.5 A (Max) 200 W max.

Battery Backup	External UPS (not provided)
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Operating environment	32 - 122 ° F (0 - 50 ° C), 90%, non-condensing
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Built-in connectors	<ul style="list-style-type: none"> - Parallel printing port - 2 RS-232 serial connections to automation software (used by the monitoring station) - RS-232 serial connection to external serial printers - Ethernet: RJ45 modular connector for 1 GB or 10 / 100Base automation output
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Line card capacity Up to 24 line cards

Line Card - IP (SG-DRL5-IP)	<ul style="list-style-type: none"> - Buffer / memory card for 512 events - 128-bit AES encryption - Vulnerability resistant design - Compatibility with all DSC IP alarm communicators (cellular or Ethernet) and license partners - 512 IP accounts for visual verification - 512 supervised IP accounts - 3,072 unsupervised IP accounts
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Line card - RTC (SG-DRL5-2L)	<ul style="list-style-type: none"> - Up to 2 RTC lines per card - Up to 64 different profiles per card with up to 8 different contact points per profile - Software updates via SG-System Console software for System 5 - Up to 150 supported communication 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 (See the complete list in the SG-System 5)
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Line card - RTC (SG-DRL5)

- 1 RTC line per card
- Up to 64 different profiles per card with up to 8 different contact points per profile
- Software updates via SG-System Console software for System 5
- Up to 150 supported formats of communication 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 (See the complete list in the SG-System 5)

Visual presentation

Touch screen as user interface

Industry approvals

United States	<ul style="list-style-type: none"> - FCC Part 15, Class B - UL1610 (anti-theft for commercial installations) - UL864 (fire in commercial facilities) - CSFM (fire in commercial facilities) - NIST certified for AES 128-bit encryption
Canada	<ul style="list-style-type: none"> - ICES Class B - ULC-S559 (Commercial Facility Fire) - ULC-S304 (anti-theft for commercial installations)