



Dear partners,

In front of you is the new edition of Sectron's newsletter.

In this edition we present you info for the following new security solutions:

- **Sectron** present **Hochiki's** new products for fire detection and **Bosch's** **Plena** PA and voice evacuation systems in front of KIIP
- **New course in Ordinance N° Iz-2815 from 07 June 2014**
- **Paradox NV5** Small detector. Big capabilities.
- **New generation addressable fire detection sensors Hochiki**
- **Banshee IS28 Intrinsically Safe Sounder, ATEX and IEC Ex certified**
- **Intrinsically Safe Strobe for fire alarm systems**
- **Hikvision HD-SDI (HD CCTV) video surveillance systems**
- **Kenwood TK-3501** New budget choice for radio communication professionals

In this edition:

- **New products**
- **Software Updates**
- **Promo offers**

Sectron present Hochiki's new products for fire detection and Bosch's Plena PA and voice evacuation systems in front of KIIP

From 1 to 10 April Sectron in partnership with the Regional Chambers of Engineers in Investment Designed (KIIP) conduct a series of presentations in Plovdiv, Stara Zagora, Burgas, Varna, Ruse, Veliko Tarnovo and Pleven on the theme "Innovative systems for fire detection, public address and voice evacuation system".

In front of halls full with design specialists, Sectron's team professionally present new edges in product portfolio of world known manufactures of fire detection, voice evacuation and public announcement systems. Seminar presentations were devoted to the features of Hochiki's new products for analogue-addressable fire detection and Visual Alarm Devices, Bosch's Voice evacuation and Public Address systems Plena and the major changes in Ordinance № 1z-1971 for Building and technical rules and standards to ensure safety during a fire.

High interest among specialists in the design of electrical installations and fire safety was caused by the certified wireless fire alarm systems Hochiki Firewave and the new generation of addressable detectors (ACC-EN, ALN-EN, ATJ-EN), and EN54 certified Visual Alarm Devices.

Vehement debate started over the discussing of the additions and amendments to Ordinance № 1z - 1971 in the section concerning the change in the disclosure and PA systems in public buildings and how the Bosch PLEna Advantage line products can be used for the design and construction of PA-VAS systems to meet the criteria of the ordinance and also provide new opportunities for investors - background music in the common areas , individual sound system in individual shops/ premises and different sources of music offered by the mixers Plena.

Successful series of presentations for Hochiki's fire alarm systems and Bosch PA&VAS sound system finalize with a presentation to Chambers of Engineers in Investment Designed Design Engineers in Sofia city on 29 April.

More information on the Hochiki's new fire detectors- **ACC-EN, ATJ-EN, ALN-EN** and Bosch **Public Address** and **Bosch Voice Evacuation Systems PLENA** can learn from SECTRON website or in SECTRON offices across the country.



New course in Ordinance № Iz-2815 from 07 June 2014

Dear colleagues and partners

We are pleased to inform you that SECTRON together with the vocational training center of the SOT 161 organize a training course on art. 8 Section 2 of Ordinance № Iz - 2815 - "Maintenance and servicing of fire alarm systems, fire- control smoke and heat, and fire hydrants." **The course will start on 07.06.2014.**

The cost of training for one student is - **790 lv.** without VAT.

The fee for conducting the test defined by PAMI is 30lv. VAT.

The course is scheduled to be completed in eight days, after which will be a date of examination. The training will be held on weekdays from 9:00 to 18:00 pm, and weekends will be specified further with teachers from the Academy of MVR.

To participate in the course should send their names and the name of the company whose representative is to pay the amount for the number of students to 07.05.2014 on the bank account of SECTRON Ltd. :

SECTRON
UIC: 831144177
IBAN: BG59RZBB91551060293012
BIC: RZBBBGSF
Bank: Raiffeisen Bank

Application forms with the name of the student and company detail and confirmations already stated to be send to e-mail address pl@sectron.com or petia.simeonova@sectron.com

Professional training center to SOT161 at the following address: Sofia, Iskar NPZ (Gara Iskar), 2 "5004" str.

SECTRON reserves the right to change the starting date of the course if there is less then minimum number of ten people for the course.



Paradox NV5 Small detector, Big capabilities.

NV5 is the next generation of the ENVY Digital Detection series. NV5 has evolved from its predecessor NV500 - new firmware and improved hardware enables faster and more reliable detection, false alarm immunity and more, packaged in the sleek design you are familiar with.

- Easy to install. Easy to use. Average time to install: 5 - 10 minutes, no PC board removal necessary, mounting brackets for ceiling or wall mount(option)
- NV5 offers superior* detection:
 - Even detection, no dead zones within the protected range
 - Response to movements - slow and fast
 - False alarm immunity Paradox technology, Auto Pulse Signal Processing (APSP) and Dual/ Single Edge Processing enables flexibility in setting detection response time compared to false alarm immunity
 - Digital temperature compensation - same catch capability at specified operating temperatures
 - RF immunity
 - 5 levels of sensitivity
 - Pet resistant
 - Paradox's Hybrid Cylindrical-Spherical 1.0" lens with 3rd generation 3D Lodiff® Fresnel segments, 10 x 10 m, 102° viewing angle, and 0.5 m (1.6 ft) to max range (no dead zone beam pattern)
 - EN 50131; SECURITY GRADE: 2



More information about NV5 can be found here 

Vimpex 8655000 Banshee IS28 Intrinsically Safe Sounder, ATEX and IEC Ex certified

The IS28 Banshee is an intrinsically safe sounder for use in hazardous areas. It is available in either high or low frequency versions each with four tones: buzz, fast sweep, slow sweep and continuous.

The IS28 has been ITS approved to ATEX and is suitable for use in all zones (0, 1 and 2). The IS28 has also been approved to IEC Ex by Testsafe for mining applications.

The product should only be connected to the fire alarm system via an approved galvanic isolator or zener barrier.

- Gas and Dust Approvals
- 32 Tones
- High output @1 m: 100 dBA (high frequency) 92 dBA (low frequency)
- Power Supply: 24 Vdc
- IP66



More information about Banshee IS28 can be found here 

New generation analogue addressable fire detection sensors **Hochiki**

Hochiki boasts endless efforts in research and development of fire detection devices to new heights of technical perfection. With the improved detection camera, numerous software additions, smarter and immune to noise and false alarms - this is the new generation of analogue addressable fire detectors Hochiki.

Visual marking, which is part of the new sleek design of the detectors allows with a glance to find out the type of the detector - no markings – Photoelectric, with one ring - temperature, with two rings - combined fire detection sensor. Each of the three new sensors is fully backward compatible with previous generation mounting base, allowing a smooth transition or replacement of existing installations. In addition, all new fire detectors are EN54 approved by LPCS and VdS, allowing you easily build certified installations.



| Type of the fire detection sensor | Previous model | New model | Improvements |
|-----------------------------------|----------------|---------------|---|
| SMOKE | ALG-EN | <u>ALN-EN</u> | <ul style="list-style-type: none"> • Enhanced Performance Chamber • New Outer Cover Design featuring indicative sensor type markings • Software Advances • Increased Noise Immunity • Fully backwards compatible |
| HEAT | ACB-E | <u>ATJ-EN</u> | |
| MULTI | ACA-E | <u>ACC-EN</u> | |

Vimpex 8645700 IS FlashDome Intrinsically Safe Strobe for fire alarm systems

The IS FlashDome is an intrinsically safe strobe for use in hazardous areas. Certified to ATEX and IEC Ex, the IS FlashDome is designed for use in Zones 0, 1 & 2.

In order to be intrinsically safe, the IS FlashDome must be powered via an approved 28v 300Ohm zener barrier or galvanic isolator.



- Power Supply: 15 - 28 Vdc
- Current: 5 mA (@24 Vdc via a 28 V 300Q barrier)
- Flash Frequency: 1 Hz (1 flash/second)
- Intrinsic Safety Approval: EN 60079-0:2004, N60079-26:2004, EN50020:2002* II 1G, EEx/Ex ia IIC T4 (-40°C <Ta < +70 °C) II 1G, EEx/Ex ia IIC T5 (-40°C <Ta < +40 °C), ITS06ATEX25407X, IEC Ex ITS06. 0018X WEEE Compliant

More information about IS FlashDome can be found here 

Hikvision HD-SDI (HD CCTV) video surveillance systems

Until recently, the difference in the opportunities offered in terms of resolution between analogue and IP - based video surveillance systems was big. Not only as levels of resolution, but purely financial. In the CCTV as any other technological niche undergoes rapid and continuous development, which is set to shrink this difference between the two main types of video surveillance systems. One reason for this is the emergence of HD-SDI (HD CCTV) technology.



Today, new technologies and changes in analogue CCTV systems enable the signal to be transmitted via coaxial cable with high quality HD picture resolution.

The greatest advantage of HD-SDI is the minimal loss of image data and almost zero delay video image processing (you will see almost instantly see what is happen at the moment of happening). This makes the HD-SDI very suitable for the protection of sites where the traffic is quite large (shops, airports, banks, etc.).

By HD-SDI protocol can be transmitted 720p or 1080p video over coaxial cable (RG59) to 100 m. The range is extendable via special HD-SDI Range Repeater.

When using HD-SDI cameras and HD-SDI digital video recorder (HD-SDI DVR) there are no changes needed in the existing coaxial cable runs.

Some of the advantages offered by SECTRON HD-SDI (HD CCTV) video surveillance systems are:

- Quick and easy installation;
- Zero configuration;
- Low latency;
- No loss of frames;
- Uses standard coaxial cable (RG59);
- Provide 7 times better resolution than analogue video surveillance systems at similar cost;
- Full HD 1080p resolution;
- No computer, network devices or the intervention of "IT" administrator;
- No software licensing fees

Hikvision DS-2CC12C2S-IR HD-SDI weather proof CCTV camera with IR illumination up to 20 meters

- 1.3 Megapixel (1280x720) resolution for video surveillance
- Lens: f = 3.6mm @ F1.8 0 Lux / F1.2
- IR illumination up to 20 m
- Wide Dynamic Range (WDR)
- For outdoor installation (IP66)

More information about DS-2CC12C2S-IR can be found here



Hikvision DS-2CC52C2S-IRM HD-SDI weather proof dome camera with IR illumination up to 20 meters

- 1.3 Megapixel (1280x720) resolution CCTV
- Lens: f = 3.6mm
- IR illumination up to 20m
- Day / Night with IR cut filter
- For outdoor use (IP66)
- Power supply: 12 V DC



More information about DS-2CC52C2S-IRM can be found here 

Hikvision DS-7204HFHI-ST/ DS-7208HFHI-ST 4/8 channel HD-SDI video recorder (HD-SDI DVR)

- H.264 video compression
- 4/8 HD-SDI cameras inputs
- 1080P real-time recording@ 1080P/720P/VGA/4CIF/CIF
- HDMI and VGA output at up to 1920 × 1080P resolution
- Audio inputs/ outputs: 4/1
- 2 SATA Interfaces (4TB)
- 2 USB 2.0 Interfaces
- 1 RS-485
- Review and management over Internet / mobile phone



More information about DS-7204HFHI-ST can be found here 

More information about DS-7208HFHI-ST can be found here 

Kenwood TK-3501 New budget choice for radio communication professionals

The new TK-3501 hand-portable is designed for 'Simplicity', making it the ideal license-free radio for use by everybody, from beginners to experts.

The TK-3501 is the natural successor to the legendary ProTalk TK-3301 and will take Kenwood's leadership in professional PMR446 to new heights.

- Hassle-free with no license required
- Proven Kenwood performance and durability
- Compact and robust
- Enhanced audio volume with 1.5W BTL amplifier
- User programmable without requiring software
- Extended talk range - the precision tuned RX section and optimised antenna enables wider area coverage
- VOX
- IP54 и US-MIL-STD 810 C/D/E/F/G



More information about TK-3501 can be found here 

Software Update

- Firmware upgrade for PCS250 GSM/GPRS communication module
- Firmware upgrade for PCS250G GSM/GPRS communication module
- Firmware upgrade for TM50 Touch interactive touchscreen keypad for use with EVO (English interface) V1.30.009

Promo Offers



2039,54 BGN with VAT

DS-2DF1-772 IP dome camera, Day/Night, 1.3 Mpx, intelligent IR up to 80 m, 18x optical zoom

570,32 BGN with VAT

STR-3516 16-channel DVR real time recording, up to 8x SATA HDD

143,17 BGN with VAT

DS-2CC5181PVF Dome Day/ Night camera for indoor use, 600TVL, IR cut filter, VF lens f=2.8~12 mm, 0.0001 Lux

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