

	ACCESS CONTROLLER MODULE MC16-PAC-EX-10 ROGER	AHD, HD-CVI, HD-TVI, PAL CAMERA BCS-B-DT82812(II) - 8.3 Mpx, 4K UHD 2.8 ... 12 mm BCS BASIC	AHD, HD-CVI, HD-TVI, PAL CAMERA APTI-H83C61-2812W - 8.3 Mpx, 4K UHD 2.8 ... 12 mm	SWITCH POE DS-3T1310P-SI/HS 8-PORT SFP Hikvision	DUAL TECHNOLOGY DETECTOR MICROWAVE + PIR SLIM-DUAL-PRO SATEL
					
	1915.87 EUR 1915.87 EUR	83.89 EUR 83.89 EUR	80.38 EUR 80.38 EUR	197.84 EUR 197.84 EUR	67.55 EUR 67.55 EUR
Application	...	...	...	...	Indoor
Number of served transitions	10	...	...	...	...
Pyroelectric sensor	...	...	...	...	quadruple
Inputs	60	...	...	...	...
Sensor type	...	...	...	...	Passive Infra Red (PIR) and microwave (MW)
Outputs	40	...	...	...	...
Recommended installation height	...	...	...	...	2.4 m
Standard	...	AHD / HD-CVI / HD-TVI / CVBS	AHD, HD-CVI, HD-TVI, CVBS	...	...
Number of users	max. 12000 - Number of identifiers	...	...	...	...
Sensor	...	1/2.3 " Progressive Scan CMOS	1/2.8 " SONY Starvis™ Back-illuminated CMOS	...	...
Range	...	...	...	...	max. 20 x 24 m
Matrix size	...	8.3 Mpx	8.3 Mpx	...	...
Detection angle	...	...	...	...	90 °
Number of media per ID	8 - Proximity card, PIN code, fingerprint, etc.	...	...	...	...
Sensitivity adjustment	...	...	...	...	Separate, smooth sensitivity adjustment for each sensor
Number of permissions per ID	100	...	...	...	...
Buffer memory	8 000 000 events buffer	...	...	...	...
MCT readers support	16 pcs	...	...	...	...
Alarm output	...	...	...	...	NC, 2EOL / NC - Set with jumpers
LAN ports	...	...	...	<ul style="list-style-type: none"> • 8 x RJ45 10/100 Base-T (8 x PoE (802.3af/at)), • 1 x RJ45 10/100/1000 Base-T - Uplink, • 1 x SFP 1000 Base-X - Uplink 	...
Tamper output	...	...	...	...	✓
Readers connections	4 pcs - Wiegand / PRT	...	...	...	...
LED indication	...	...	...	...	Remote on/off of the LED indicator and choice of lighting color (7 colors available)
Number of login points	20	...	...	...	...
Microwave frequency band	...	...	...	...	24.125 GHz
Number of access terminals	40	...	...	...	...
Pet immunity	...	...	...	...	—
Number of access zones	20	...	...	...	...
Antimask feature	...	...	...	...	✓
Number of alarm zones	20	...	...	...	...
Alarm time	2 s
Number of automation nodes	20
Battery backup support	12 V / 7 Ah

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Transmission speed	• 10 / 100 Mbps - 8 LAN & PoE ports, • 10 / 100 / 1000 Mbps - RJ45 (Uplink), • 1000 Mbps - SFP (Uplink)	...
Maximal output power	...	...	...	30 W / port PoE	...
Maximal total power	...	...	...	110 W	...
Communication	• Ethernet - RJ-45 socket • RS-485 interface • RACS 5 v2 (Roger)	...	...	...	...
MAC addresses table	...	...	...	16k	...
Management	...	...	...	✓	...
Default IP address	...	...	...	192.168.1.64	...
Maximal outputs load	...	...	...	...	• 40 mA / 24 V DC - Relay output • 40 mA / 24 V DC - Antimasking output • 40 mA / 24 V DC - Tamper
Default admin user / password	...	...	...	admin / -	...
Digital temperature compensation	...	...	...	...	✓
Target speed range	...	...	...	...	0.2 ... 3 m/s
Protection class (Grade)	...	...	...	...	EN 50131-2-4, Grade 3
Audio	...	—	...	...	...
Environmental class EN 50130-5	...	...	...	...	II
Operation modes	...	...	...	• Extend - 1 ... 8 ports : 300 m, 10 Mbps @ UTP cat. 5e, 6 • Port Isolation - 1 ... 8 ports • Watchdog PoE - 1 ... 8 ports	...
LED diodes	...	...	...	Power, Link/Act, PoE, PoE Max, G1, G2	...
Resolution	...	3840 x 2160 - 8.3 Mpx, 4K UHD @ 15 fps - 720p 960 x 576 - 960H, PAL	3840 x 2160 - 8.3 Mpx, 4K UHD @ AHD / HD-CVI / HD-TVI, 15 fps , 2592 x 1944 - 5 Mpx @ AHD / HD-TVI, 20 fps / 12.5 fps , 2592 x 1944 - 5 Mpx @ HD-CVI, 20 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-TVI / HD-CVI, 25 fps / 30 fps , 1920 x 1080 - 1080p @ AHD / HD-TVI / HD-CVI, 25 fps / 30 fps , 960 x 576 - 960H @ CVBS	...	...
Range of IR illumination	...	40 m	60 m	...	...
Permissible relative humidity	10 % ... 95 % (non-condensing)	...	...	...	...
IR illuminator power adjustment	...	Automatic	Automatic	...	...
Lens	...	2.8 ... 12 mm, F1.2	2.8 ... 12 mm	...	...
Vandal-proof	...	—	...	...	...
View angle	...	• 104 ° ... 34 ° (manufacturer data) • 105 ° ... 33 ° (our tests result)	• 87 ° ... 24 ° (manufacturer data) • 84 ° ... 33 ° (our tests result)	...	...
S/N ratio	...	...	> 50 dB	...	...
Video output	...	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI / CVBS - Via OSD, selectable by switch



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Main features	<ul style="list-style-type: none"> • Integrated support in VISO EX software • Functions in the VISO EX system: - MSSQL database - work in distributed systems - multi-station work - monitoring of transitions with video preview - T&A event reporting - maximum number of transitions in the system - unlimited - division of the system into partitions operated by independent operators - tool for integration with RACS5 (API) systems - integration with many systems (elevator systems, building applications, SMS, BMS, PSIM, VMS, Active Directory systems) 	<ul style="list-style-type: none"> • MDI/MDI-X auto detection feature - auto detecting the data transmission mode • View topology and network status • The device supports 8-pin power supply - wires : 1-2(-), 3-6(+), 4-5(+), 7-8(-) • Endspan mode support - wires : 1-2(-), 3-6(+) • Midspan mode support - wires : 4-5(+), 7-8(-) • Remote update of software • System logs • Data Flow Control • Watchdog function • Port mirroring function • Port isolation • QoS : Queue scheduling: SP, WRR, SP+WRR • VLAN : 4094 groups • Spanning Tree STP/RSTP • Spanning Tree ERPS • SNMPv1/v2c • Compliance with the LLDP protocol • DHCP • Devices for mounting on a DIN, TS-35 rail • Industrial wide temperature design. 	<ul style="list-style-type: none"> • EN 50130-4, EN50130-5, EN 50131-1, EN 50131-2-2 • digital detection algorithm with temperature compensation for high immunity to false alarms and repeatability of parameters • Tamper detection - opening the enclosure, removing from mounting surface • Remote management • Built-in parametric resistors 2EOL: 2 x 1.1kΩ, 2 x 4.7 kΩ, 2 x 5.6 kΩ • Creep zone control • Remote controlled (not included)
Main features	...	<ul style="list-style-type: none"> • D-WDR - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • BLC - Back Light Compensation • FLC - The technology eliminates the tiring eyes flickering image effect • ICR - Movable InfraRed filter • Auto White Balance • AGC - Automatic Gain Control • BLC - Back Light Compensation 	<ul style="list-style-type: none"> • WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC - Back Light Compensation • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Day/Night mode - configurable • Sharpness - sharper image outlines	...	...
OSD menu	...	✓	✓	...	...
Certificates	...	...	...	CE, RoHS, FCC, WEEE, REACH	...
Protections	...	...	...	—	...
Color	...	Dark graphite	White	...	White
Housing	...	Compact, Metal	Compact - Metal	Metal, Desktop, DIN rail (TS-35)	...
"Index of Protection"	...	IP66	IP67	...	...
Operation temp	...	-20 °C ... 60 °C	-20 °C ... 50 °C	...	...
Power supply	<ul style="list-style-type: none"> • 17 ... 22 V AC • 10 ... 15 V DC • 22 ... 26 V DC 	12 V DC / 420 mA	12 V DC / 590 mA	<ul style="list-style-type: none"> • 48 ... 57 V DC - 2 inputs • 48 V AC / 2.5 A (power adapter included) 	12 V DC / 85 mA (max)
Power consumption	...	< 5 W	≤ 7.1 W	max. 120 W	...
Supported languages	...	English	English, Spanish, Portuguese	...	...
Operation temp	5 °C ... 40 °C	...	...	-30 °C ... 65 °C	-10 °C ... 55 °C
Weight	0.14 kg	0.84 kg	0.66 kg	0.596 kg	0.11 kg
Dimensions	175 x 72 x 30 mm	277 x 81 x 83 mm	211 x 90 x 90 mm	205 x 125 x 42 mm	137 x 62 x 42 mm
Manufacturer / Brand	ROGER	BCS BASIC	APTI	Hikvision	SATEL
SAP Code	301802343	...

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Guarantee	3 years	3 years	2 years	3 years	5 years
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