	ACCESS CONTROLLER WITH INDUCTION MIFARE/DESFIRE/NFC READER (13.56 MHz) - ATHENA 4.3 mm - 10Mbit	ACCESS CONTROLLER WITH INDUCTION MIFARE/DESFIRE/NFC READER (13.56 MHz) - ATHENA 4.3 mm - 100Mbit	ACCESS CONTROLLER WITH INDUCTION MIFARE/DESFIRE/NFC READER (13.56 MHz) - ATLANTIS 4.3 mm - 100Mbit	SWITCH POE PFT1102-8-POE	ACCESS CONTROLLER - BASIC/ 2x RFID - DAHUA	ACCESS CONTROLLER - BASIC/ 2x RFID - 10Mbit - DAHUA	ACCESS CONTROLLER - BASIC/ 2x RFID - 100Mbit - DAHUA	ACCESS CONTROLLER WITH INDUCTION MIFARE/DESFIRE/NFC READER (13.56 MHz) - TS - 10Mbit - DAHUA	ACCESS CONTROLLER - SET/ 2x EM - 10Mbit - DAHUA	ACCESS CONTROLLER - SET/ 2x EM - 100Mbit - DAHUA	ACCESS CONTROLLER WITH INDUCTION MIFARE/DESFIRE/NFC READER (13.56 MHz) - KTS - 10Mbit - DAHUA	ACCESS CONTROLLER - RIDER/2x RS-485 - 10Mbit - DAHUA	DEPA PLAYER SPEED AI - DAHUA	Black body DS-2TD1228-2/QA - Hikvision	IP CAMERA THERMOVISION 4MM - 12 Mpx - 4K	VTP + COAXIAL TRANSMITTER BNC + UTP/ 1 PCS SET	POWERNET + EPOE CONVERTER POE+/S	EXTENDER ETHERNET+POE FO 1PORT - PULSAR	300-SUNWAVE RADAR DS-PEA-60 -Hikvision	OBJECT PROTECTION SYSTEM/ENDURANCE SERIES/DAHUA/ 2x	OBJECT PROTECTION SYSTEM/ENDURANCE SERIES/DAHUA/ 2x	EXTENDER ETHERNET 10M SFP CABLE 1A-EXT-10G-CSP	EXTENDER ETHERNET/ 10M/ 1A-EXT-10G-EPOE-10M-BLACK	CONVERTER DNC 4K+ 1HDMI SWITCH	OBJECT PROTECTION SYSTEM/ENDURANCE SERIES/DAHUA/ 1/	POWERNET + EPOE CONVERTER/ 1 RJ45/ DAHUA	EXTENDER ETHERNET/ 1HDMI+USB/ 120M/ RJ45/ DAHUA	EXTENDER ETHERNET/ 1HDMI+USB/ 120M/ 2 RJ45/ DAHUA	EXTENDER DS-1H38-0100P	EXTENDER DS-1H38-0100P	ACCESS CONTROLLER WITH INDUCTION MIFARE/DESFIRE/NFC READER (13.56 MHz) - 10Mbit - Hikvision	ACCESS CONTROLLER WITH INDUCTION MIFARE/DESFIRE/NFC READER (13.56 MHz) - KEYNANO-T - 10Mbit - Hikvision	EXTENDER EXT-POE1 - PULSAR	EXTENDER EXT-POE1-IN - PULSAR	EXTENDER EXT-POE2-IN - PULSAR	EXTENDER EXT-POE2 - PULSAR	EXTENDER EXT-POE4 - PULSAR	EXTENDER EXT-POE4D-IN - PULSAR
Compatibility																																			
Application																					Outdoor														
Adjusting the reference temperature																																			
Input																																			
Sensor type																					Microwave (MW)														
Setting resolution																																			
Standards																																			
Scanning system	Progressive	Progressive	Progressive								Progressive																								
Output																																			
Input voltage																																			
Number of video channels																																			
Recommended installation height																					2.8 m ... 4 m														
Management via WWW / console				-																															
In package																2 pcs The price for package																		
Setting accuracy																																			
LAN ports				* 1 x RJ45 10/100 Base-T + power input - PoE * 1 x RJ45 10/100 Base-T + PoE (802.3af)											1 pcs RJ45 1 pcs BNC socket	1 pcs RJ45																				
Setting stability																																			
Transmission ports																1 pcs BNC																			
Number of alarms																	1 pcs - RJ-45 socket																		
Detection angle																																			
Optical zoom	∞	∞	∞				∞			∞																									
Number of outputs																	1 pcs - RJ-45 socket																		
Sensitivity adjustment																					Automatic														
Bi-directional audio streaming support																																			
Power supply																																			
Connector																																			
Output voltage																	Compatible with the power supply voltage																		
Audio inputs																					1 pcs Microphone - Jack 3.5 mm socket													
Size of the reference surface																																			
LED indicators																																			
Sensor	1/2.8 " SONY Starvis™ Back Illuminated CMOS 1/3 " GC2145	1/2.8 " SONY Starvis™ Back Illuminated CMOS 1/3 " GC2145	1/2.8 " SONY Starvis™ Back Illuminated CMOS 1/3 " GC2145		CMOS	1/2.8 " CMOS	1/2.8 " CMOS	CMOS	1/2.8 " CMOS	1/2.8 " CMOS	CMOS																								
Matrix size	1.3 Mpx 2 Mpx	1.3 Mpx 2 Mpx	1.3 Mpx 2 Mpx		2 Mpx	2.1 Mpx	2.1 Mpx (25 x 90 px	2.1 Mpx	2.1 Mpx	2.1 Mpx (25 x 90 px	2.1 Mpx																								
Transmission range															200 m @ RG6	max. 1000 m in 10 Mbps max. 400 m @ 100 Mbps The range of data transfer and power supply is strongly dependent on the cable used and the power required to supply the receiver																		
Pixel pitch	1.75 µm	1.75 µm	1.75 µm																																
LED diodes				LAN, PoE																															
Lens	4.3 mm 2.4 mm	4.3 mm 2.4 mm	4.3 mm 2.4 mm																																
View angle	84 ° 42 °	84 ° 42 °	84 ° 42 °				30 °			30 °																									
Transmission speed				10 / 100 Mbps											10 / 100 Mbps Half Duplex	10 / 100 Mbps Half Duplex																				
Output current																	4.8 A - PoE OUT G2 ports Compliance with PoE 802.3af/at Max. 30 W PoE OUT 3 - Passive PoE Total max. 6.6 A																		
Cards support																																			
Resolution	1920 x 1080 - 1080p 800 x 600 - 0.48 Mpx	1920 x 1080 - 1080p 800 x 600 - 0.48 Mpx	1920 x 1080 - 1080p 800 x 600 - 0.48 Mpx		1920 x 1080 - 1080p	1920 x 1080 - 1080p	1920 x 1080 - 1080p (24 x 90 px	1920 x 1080 - 1080p	1920 x 1080 - 1080p	1920 x 1080 - 1080p (24 x 90 px	1920 x 1080 - 1080p																								
Operating system													Android 5.1.1																						
Input power pairs PoE IN																	Q2 (+) 5/6(-) Q3 (+) 7/8 (-)																		
Reading distance of proximity																																			
Supported hard drives																					> 3, x 1 TB SATA III + eSATA > In Cooperation with the DAHUA disk arrays of the ESS series max. 200 TB (total)			> 15, x 10 TB SATA III + eSATA > In Cooperation with the DAHUA disk arrays of the ESS series Maximum supported total disk space - 200 TB Possibility of operation the disks in RAID-5/5S/6/10 array			8, x 10 TB SATA III + eSATA Possibility of operation the disks in RAID-5/5S/6/10 array												
Output power pairs PoE OUT/12																	Q5 (+) 7/8 (-) - Passive PoE																		
Range of IR illumination	0 m	0 m	0 m			0 m	0 m	0 m	0 m	0 m	0 m																								
Supported resolutions													3840 x 2160 px - 8.3 Mpx, (4K UHD class)		4 Channels @ 4608 x 2592 px - 12 Mpx, 8 Channels @ 2048 x 2160 px - 4K, 16 Channels @ 1920 x 1080 px - 2MP, 30 Channels @ 1280 x 720 - 720p, 32 Channels @ 704 x 576 - D1							max. 12 Mpx - 4000 x 3000 px		max. 12 Mpx - 4000 x 3000 px			max. 12 Mpx - 4000 x 3000 px												
Number of supported cameras																	8 pcs																		
Ethernet interface																																			
White light LED illuminator range	0 m	0 m	0 m			0 m	0 m	0 m	0 m	0 m	0 m						10/100 Mb/s																		

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Alarm inputs / outputs	0 / 2 (bolt control, signaling of exceeding the temperature)	0 / 2 (bolt control, signaling of exceeding the temperature)	0 / 2 (bolt control, signaling of exceeding the temperature)	...	1 / 1 - Relay outputs	2 / 2 - Relay outputs	2 / 2 - Relay outputs	2 / 2 - Relay outputs	1 / 1 - Relay output	1 / 1 - Relay output	1 / 1	—
Relay output	...	...	NO, NC	...	...	...	...	...	...	...	...	...
Audio	Speaker built-in	Speaker built-in	Speaker built-in	...	Voice message	Speaker built-in	Speaker built-in	Speaker built-in	Speaker built-in	Speaker built-in	Speaker built-in	...
PTZ control	...	...	...	...	...	...	...	...	...	...	...	...
Operation temp	...	...	...	...	...	...	...	...	...	...	...	-10 °C ... 55 °C
RS-485	...	...	...	...	...	...	...	...	...	...	...	...
RS-232	...	...	...	...	...	...	...	...	...	...	...	...
Network interface	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)	...	1 x 10/100 Base-T (RJ-45)	• 1 x 10/100 Base-T (RJ-45) • 1 x 10/100/1000 Base-T (RJ-45)	• 1 x 10/100 Base-T (RJ-45) • 1 x 10/100/1000 Base-T (RJ-45)	1 x 10/100 Base-T (RJ-45)	• 1 x 10/100 Base-T (RJ-45) • 1 x 10/100/1000 Base-T (RJ-45)	• 1 x 10/100 Base-T (RJ-45) • 1 x 10/100/1000 Base-T (RJ-45)	1 x 10/100 Base-T (RJ-45)	• 1 x RJ45 10/100/1000 Base-T • Wi-Fi module
IK rating	...	...	...	...	...	...	...	...	...	...	...	...
USB	...	...	...	...	1 x USB 2.0	2 x USB 2.0	2 x USB 2.0	1 x USB 2.0	2 x USB 2.0	2 x USB 2.0	1 x USB 2.0	...
Motion Detection	...	...	...	...	...	...	...	...	...	...	...	...
Intelligent Image Analysis	...	...	...	...	...	...	...	...	...	...	...	...
Network protocols	IPv4, HTTP, HTTPS, TCP/IP	IPv4, HTTP, HTTPS, TCP/IP	IPv4, HTTP, HTTPS, TCP/IP	...	IPv4, RTSP, RTP, TCP, UDP, P2P	IPv4, RTSP, RTP, TCP, UDP, P2P	IPv4, RTSP, RTP, TCP, UDP, P2P	IPv4, RTSP, RTP, TCP, UDP, P2P	IPv4, RTSP, RTP, TCP, UDP, P2P	IPv4, RTSP, RTP, TCP, UDP, P2P	IPv4, RTSP, RTP, TCP, UDP, P2P	...
Mouse support	...	...	...	...	...	...	...	...	...	...	...	...
WEB Server	Built-in	Built-in	Built-in	...	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	...
Max. number of on-line users	20	20	20	...	...	...	...	...	...	...	...	...
ANPR	...	...	...	...	...	...	...	...	...	...	...	...
ONVIF	—	—	—	...	—	✓	✓	—	✓	✓	—	...
Face recognition	...	...	...	...	...	...	...	...	...	...	...	...
RS-485	✓	✓	✓	...	...	...	...	...	...	...	...	...
Default IP address	DHCP / 192.168.1.88	DHCP / 192.168.1.88	DHCP / 192.168.1.88	...	192.168.1.108	192.168.1.108	192.168.1.108	192.168.1.108	192.168.1.108	192.168.1.108	192.168.1.108	192.168.1.108
Default admin user / password	admin / 12345	admin / 12345	admin / 12345	...	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / admin
Web browser access ports	7080	7080	7080	...	80, 37777	80, 37777	80, 37777	80, 37777	80, 37777	80, 37777	80, 37777	...
PC client access ports	7080	7080	7080	...	37777	37777	37777	37777	37777	37777	37777	...
SAP Code	...	...	...	...	...	...	...	...	...	...	...	...
Power consumption	≤ 12 W	≤ 12 W	≤ 12 W	0.3 W	≤ 18 W	≤ 24 W	≤ 24 W	≤ 12 W	≤ 24 W	≤ 24 W	≤ 24 W	...
Length of the cable	64 cm	64 cm	64 cm	...	...	...	...	...	...	...	...	...
Housing	Compact - Metal	Compact - Metal	Compact - Metal	Plastic, DIN, TS-35 rail mounting	Plastic (ABS)	Aluminum + Tempered glass	Aluminum + Tempered glass	Aluminum + Tempered glass	Aluminum + Tempered glass	Aluminum + Tempered glass	Aluminum + Tempered glass	...
Color	Silver	Silver	Silver	...	Black + Silver	Black + Silver	Black + Silver	Black + Silver	Black + Silver	Black + Silver	Black + Silver	...
"Index of Protection"	IP66	IP66	IP66	...	—	IP65 (after additional sealing the housing connection with the mounting surface, e.g. with silicone)	—	—	IP65 (after additional sealing the housing connection with the mounting surface, e.g. with silicone)	—	IP65 (after additional sealing the housing connection with the mounting surface, e.g. with silicone)	...
Operation temp	15 °C ... 25 °C - temperature measurement only in closed rooms (stabilized temperature)	15 °C ... 25 °C - temperature measurement only in closed rooms (stabilized temperature)	15 °C ... 25 °C - temperature measurement only in closed rooms (stabilized temperature)	...	-10 °C ... 55 °C	-30 °C ... 60 °C	• -10 °C ... 55 °C - without temperature measurement • 15 °C ... 32 °C - with temperature measurement	-10 °C ... 55 °C	-30 °C ... 60 °C	• -10 °C ... 55 °C - without temperature measurement • 15 °C ... 32 °C - with temperature measurement	-30 °C ... 60 °C	...
Montage hole diameter	33 mm	33 mm	...	...	...	...	37 mm	...	37 mm	37 mm	...	...

Alarm inputs / outputs	...	4 / 4	...	...	...	...	4 / 2	4 / 2	...	...	...	16 / 8
Relay output	...	...	...	...	...	...	...	...	...	...	...	...
Audio	...	...	...	...	...	...	...	...	...	...	...	...
PTZ control	...	...	...	...	...	...	IP Speed Dome Cameras, RS-485	IP Speed Dome Cameras, RS-485	...	...	...	IP Speed Dome Cameras, RS-485
Operation temp	0 °C ... 40 °C	-10 °C ... 55 °C	...	...	-10 °C ... 40 °C	-40 °C ... 65 °C	...	...	...	...	...	...
RS-485	...	...	...	...	...	...	✓	✓	...	...	...	✓
RS-232	...	...	...	...	...	...	✓	✓	...	...	...	✓
Network interface	...	2 x RJ45 10/100/1000 Base-T	...	...	...	10/100 Base-T (RJ-45)	4 x 10/100/1000 Base-T	4 x 10/100/1000 Base-T	...	...	...	4 x 10/100/1000 Base-T
IK rating	...	...	...	...	...	IK09	...	...	...	...	...	...
USB	...	...	...	...	...	...	...	...	...	...	...	2 x USB 2.0 2 x USB 3.0
Motion Detection	...	...	...	...	...	...	✓	✓	...	...	...	✓
Intelligent Image Analysis	...	...	...	...	...	...	✓	✓	...	...	...	✓
Network protocols	...	...	...	...	...	HTTP, DNS, NTP, TCP, UDP, DHCP, ARP, SSH	...	...	...	...	...	...
Mouse support	...	...	...	...	...	...	✓	✓	...	...	...	✓
WEB Server	...	...	...	...	...	...	...	...	...	...	...	...
Max. number of on-line users	...	...	...	...	...	...	...	...	...	...	...	...
ANPR	...	...	...	...	...	...	max. 32 cameras	max. 64 cameras	...	...	...	max. 32 cameras
ONVIF	...	...	...	...	...	...	...	...	...	...	...	...
Face recognition	...	...	...	...	...	...	max. 32 cameras	max. 64 cameras	...	...	...	max. 20 cameras
RS-485	...	...	...	...	...	...	...	...	...	...	...	...
Default IP address	...	192.168.1.108	...	...	...	...	192.168.1.108	192.168.1.108	...	...	...	192.168.1.108
Default admin user / password	...	admin / -	...	...	...	...	admin / admin	admin / - The administrator password should be set at the first start	...	...	...	admin / - The administrator password should be set at the first start
Web browser access ports	...	...	...	...	...	...	80, 37777	80, 37777	...	...	...	80, 37777
PC client access ports	...	...	...	...	...	...	37777	37777	...	...	...	37777
SAP Code	315800009	...	...	...	...	302401144	...	...	...	...	...	...
Power consumption	≤ 20 W	≤ 70 W	...	...	...	max. 10 W	...	...	...	...	...	...
Length of the cable	...	...	...	...	...	...	...	...	...	...	...	...
Housing	...	...	...	...	...	...	...	...	...	...	...	...
Color	...	...	...	...	...	White	...	...	...	...	...	...
"Index of Protection"	...	...	...	...	...	IP67	...	...	...	...	...	...
Operation temp	...	...	...	...	...	...	...	...	...	...	...	...
Montage hole diameter	...	...	...	...	...	...	...	...	...	...	...	...

Alarm inputs / outputs	...	...	...	...	...	—	2 / 1	...	...	...	...	...
Relay output	...	...	...	...	...	...	...	...	...	...	...	...
Audio	...	...	...	...	...	Speaker built-in	Speaker built-in	...	...	...	...	...
PTZ control	...	...	...	...	...	...	...	...	...	...	...	...
Operation temp	...	...	...	...	...	...	...	...	...	...	...	...
RS-485	...	...	...	...	...	...	...	...	...	...	...	...
RS-232	...	...	...	...	...	...	...	...	...	...	...	...
Network interface	...	...	...	...	...	• 10/100 Mb/s (RJ-45) • WiFi	10/100/1000 Base-T (RJ-45)	...	...	...	...	...
IK rating	...	...	...	...	...	...	...	...	...	...	...	...
USB	...	...	...	...	...	...	...	...	...	...	...	...
Motion Detection	...	...	...	...	...	...	...	...	...	...	...	...
Intelligent Image Analysis	...	...	...	...	...	...	...	...	...	...	...	...
Network protocols	...	...	...	...	...	TCP/IP, ISUP, ISAPI	TCP/IP	...	...	...	...	...
Mouse support	...	...	...	...	...	...	...	...	...	...	...	...
WEB Server	...	...	...	...	...	Built-in	—	...	...	...	...	...
Max. number of on-line users	...	...	...	...	...	...	...	...	...	...	...	...
ANPR	...	...	...	...	...	...	...	...	...	...	...	...
ONVIF	...	...	...	...	...	—	—	...	...	...	...	...
Face recognition	...	...	...	...	...	...	...	...	...	...	...	...
RS-485	...	...	...	...	...	...	✓	...	...	...	...	...
Default IP address	...	...	...	...	...	192.168.1.64	192.168.1.64	...	...	...	...	...
Default admin user / password	...	...	...	...	...	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	...	...	...	...	...
Web browser access ports	...	...	...	...	...	80	...	...	...	...	...	...
PC client access ports	...	...	...	...	...	port 8000	port 8000	...	...	...	...	...
SAP Code	...	...	...	301800919	301800920	302912468	302917212	...	...	...	...	...
Power consumption	...	...	...	...	...	≤ 18 W	≤ 24 W	...	...	...	...	...
Length of the cable	...	...	...	...	...	...	...	...	...	...	...	...
Housing	...	...	...	Metal	Metal	Metal	Compact - Metal	Metal	Plastic, hermetic	Metal	Metal	Plastic, hermetic
Color	...	...	...	...	...	Black / Silver	Silver + Black	...	...	...	...	...
"Index of Protection"	...	...	...	...	...	—	—	...	IP56	...	...	IP56
Operation temp	...	...	...	...	...	-10 °C ... 55 °C	0 °C ... 50 °C	...	...	...	...	...
Montage hole diameter	...	...	...	...	...	...	...	...	...	...	...	...

Main features	• Built-in LCD display showing the image from the video camera and the result of temperature measurement - 1024 x 600 px • Wiegand 26 • Day/Night mode (color/b&w/auto) • RESET button • Relay output operating modes: access control or notification of an exception	• Built-in LCD display showing the image from the video camera and the result of temperature measurement - 1024 x 600 px • Wiegand 26 • Day/Night mode (color/b&w/auto) • RESET button • Relay output operating modes: access control or notification of an exception	• Built-in LCD display showing the image from the video camera and the result of temperature measurement - 1024 x 600 px • Day/Night mode (color/b&w/auto) • RESET button • Wiegand 26 • Relay output operating modes: access control or notification of an exception		• Built-in LCD display showing the image from the video camera - 4.3 " capacitive touch screen, 480 x 272 px • Identification modes : PIN, Proximity identifier Mifare, Face recognition, Any combination of the above • 500 users • Software update via network • Real-time Surveillance • Multiple Authentication • Take face image after swiping card • Auto-Registration • Recording of information about Time&Attendance • Statistical Reporting • Backup to USB drive (pendrive) • Output button support • Door status detection • Lock control • Tamper protections	• Built-in LCD display showing the image from the video camera - 7 " capacitive touch screen, 1024 x 600 px • Identification modes : PIN, Proximity identifier Mifare, Face recognition, Any combination of the above • Wiegand 34/26 • WDR - 120 dB - Wide Dynamic Range • LED indication • Bbuzzer for acoustic signaling of some system events • AGC - Automatic Gain Control • Sharpness - sharper image outlines • Day/Night mode (color/b&w/auto) • RESET button	• Temperature measurement • Built-in LCD display showing the image from the video camera and the result of temperature measurement - 7 " capacitive touch screen, 1024 x 600 px • Identification modes : PIN, Proximity identifier Mifare, Face recognition, Any combination of the above • Wiegand 34/26 • WDR - 120 dB - Wide Dynamic Range • LED indication • Bbuzzer for acoustic signaling of some system events • AGC - Automatic Gain Control • Sharpness - sharper image outlines • Day/Night mode (color/b&w/auto) • RESET button • AI detection : A solution dedicated to measuring temperature. The camera is able to detect increased object temperature	• Built-in LCD display showing the image from the video camera - 7 " capacitive touch screen, 1024 x 600 px • Identification modes : PIN, Proximity identifier Mifare, Face recognition, Any combination of the above • Wiegand 34/26 • WDR - 120 dB - Wide Dynamic Range • LED indication • Bbuzzer for acoustic signaling of some system events • AGC - Automatic Gain Control • Sharpness - sharper image outlines • Day/Night mode (color/b&w/auto) • RESET button	• Built-in LCD display showing the image from the video camera - 7 " capacitive touch screen, 1024 x 600 px • Identification modes : PIN, Proximity identifier Mifare, Face recognition, Any combination of the above • Wiegand 34/26 • WDR - 120 dB - Wide Dynamic Range • LED indication • Bbuzzer for acoustic signaling of some system events • AGC - Automatic Gain Control • Sharpness - sharper image outlines • Day/Night mode (color/b&w/auto) • RESET button	• Temperature measurement • Built-in LCD display showing the image from the video camera and the result of temperature measurement - 7 " capacitive touch screen, 1024 x 600 px • Identification modes : PIN, Proximity identifier Mifare, Face recognition, Any combination of the above • Wiegand 34/26 • WDR - 120 dB - Wide Dynamic Range • LED indication • Bbuzzer for acoustic signaling of some system events • AGC - Automatic Gain Control • Sharpness - sharper image outlines • Day/Night mode (color/b&w/auto) • RESET button • AI detection : A solution dedicated to measuring temperature. The camera is able to detect increased object temperature	• Built-in LCD display showing the image from the video camera - 10.1 " capacitive touch screen, 1280 x 800 px • Identification modes : PIN, Proximity identifier Mifare, Face recognition, Any combination of the above • Wiegand 34/26 • WDR - 120 dB - Wide Dynamic Range • LED indication • Bbuzzer for acoustic signaling of some system events • AGC - Automatic Gain Control • Sharpness - sharper image outlines • Day/Night mode (color/b&w/auto) • RESET button	• Remote timer features - the possibility of adapting to the season and other dates • Support for the main multimedia formats, support for the picture, video, text scrolling and other playback with a split screen • Support for displaying time, date, week, weather forecast, etc. • It supports the display of programming material outside the network, saving bandwidth and network occupancy							• Cooperation with DAHUA recorders • IP Dahua cameras support • Cooperation with the DAHUA access control systems - support max. 100 controllers and max. 512 doors • Cooperation with the DAHUA IP video doorphone systems : - Voice calls between the VTH series internal panels and the system management center - Video calls between door stations of the VTO series and the system management center - Work as a SIP server - Group connection with the VTH internal panels and devices compliant with the SIP protocol - Redirecting a video call to mobile phone • Automatic search for cooperating devices in the local network • Central management of the access control system : - Adding, deleting and editing users - Change of permissions of individual users and groups of users - Change of access to individual zones - Monitoring the status of individual doors • Advanced functions of the transition control : - Anti-passback - Remote opening of the door - Leaving the door open after the first access - Unlocking the transition only when more than one user is present - Remote access verification • Cooperation with the MNVR mobile recorders : - Archiving recordings from the mobile recorder using the local Wi-Fi network - Archiving the route covered by the vehicle with a mobile recorder - Access to the image recorded by the mobile recorder in real time (the recorder must have an Internet connection and a fixed IP address) • Emap function - possibility to mark the location of system elements on the map of the object : - When an alarm is triggered, the element that initiated the alarm is marked on the map - Access to preview images from cameras and archived recordings from the map level - The camera's field of view can be marked on the map • Cooperation with the wall of monitors • Cooperation with the controllers of the NKB series • Integration with the alarm system : - Signaling of events registered on the server by alarm outputs - Setting the system arming schedules - Calling up the action after receiving the signal from the alarm control panel - Transmission of information about the triggered alarm to selected users • Support for devices with the ANPR vehicle identification functions and face recognition	• Cooperation with DAHUA recorders • IP Dahua cameras support • Cooperation with POS (Point of Sale) terminals - max. 64 devices • Cooperation with the DAHUA access control systems - support max. 256 doors • Cooperation with the DAHUA IP video doorphone systems : - Voice calls between the VTH series internal panels and the system management center - Video calls between door stations of the VTO series and the system management center - Work as a SIP server - Group connection with the VTH internal panels and devices compliant with the SIP protocol - Redirecting a video call to mobile phone • Automatic search for cooperating devices in the local network • Support for devices with the ANPR vehicle identification functions and face recognition • Sectional speed measurement (requires several ANPR cameras on the road section) • The ability to track the person's location based on the face recognition function • Central management of the access control system : - Adding, deleting and editing users - Change of permissions of individual users and groups of users - Change of access to individual zones - Monitoring the status of individual doors - Central database management, updating and sharing the database between all system devices - It applies both to the classic databases of users of the access control system as well as to the bases of identified faces and vehicles • Advanced functions of the transition control : - Anti-passback - Remote opening of the door - Leaving the door open after the first access - Unlocking the transition only when more than one user is present - Remote access verification • Cooperation with the MNVR mobile recorders : - Archiving recordings from the mobile recorder using the local Wi-Fi network - Archiving the route covered by the vehicle with a mobile recorder - Access to the image recorded by the mobile recorder in real time (the recorder must have an Internet connection and a fixed IP address) • Emap function - possibility to mark the location of system elements on the map of the object : - The use of Google Maps - When an alarm is triggered, the element that initiated the alarm is marked on the map - Access to preview images from cameras and archived recordings from the map level - The camera's field of view can be marked on the map - Ability to roughly determine the route covered by a person based on face recognition function (required devices supporting face recognition functions) - Ability to roughly determine the vehicle route based on ANPR recognition (required cameras supporting this function) • Cooperation with the wall of monitors • Cooperation with the controllers of the NKB series • Integration with the alarm system : - Signaling of events registered on the server by alarm outputs - Setting the system arming schedules - Calling up the action after receiving the signal from the alarm control panel - Transmission of information about the triggered alarm to selected users • Intelligent Image Analysis : Intelligent Object Tracking, people counting, heat map • Possibility to connecting in cascade - max. 5 levels, max. 20 devices • The possibility of redundant work				• Cooperation with DAHUA recorders • IP Dahua cameras support • Automatic search for cooperating devices in the local network • Support for devices with the ANPR vehicle identification functions and face recognition • Recognizing and searching on recordings of people on the basis of data including information about: the vehicle the person is moving, license plates, clothing and face recognition • Cooperation with the wall of monitors • Cooperation with the controllers of the NKB series • Integration with the alarm system : - Signaling of events registered on the server by alarm outputs - Setting the system arming schedules - Calling up the action after receiving the signal from the alarm control panel - Transmission of information about the triggered alarm to selected users • Intelligent Image Analysis : Intelligent Object Tracking, people counting, heat map • The possibility of redundant work						• 3.97 " capacitive touch screen • Mechanical tamper protection • WDR - Wide Dynamic Range • AI detection : Face recognition • Configuration and management from the iVMS-4200 application • Port USB • Door lock control output • Possibility to connect an exit button and a reed switch to control the door status	• Detection of people without a mask - access denied or voice alerts • Temperature measurement • 7 " capacitive touch screen - 1024 x 600 px • Mechanical tamper protection • Wiegand 34/26 • AGC - Automatic Gain Control • Sharpness - sharper image outlines • Day/Night mode (color/b&w/auto) • AI detection : A solution dedicated to measuring temperature. The camera is able to detect increased object temperature						

Power supply	12 V DC	12 V DC	12 V DC	PoE (802.3afat)	12 V DC / 1.5 A (power adapter included)	12 V DC / 2 A (power adapter included)	12 V DC / 2 A (power adapter included)	12 V DC / 2 A (power adapter included)	12 V DC / 2 A (power adapter included)	12 V DC / 2 A (power adapter included)	12 V DC / 2 A (power adapter included)	12 V DC / 2 A (power adapter included)	12 V DC / 2 A (power adapter included)	100 V ... 240 V AC	230 V AC			PoE	Compliance with PoE (802.3afat) - 44 V ... 57 V DC	12 V DC / 500 mA (PoE (802.3at)	100 ... 240 V AC	100 ... 240 V AC	12 V DC / 500 mA (power adapter included)	12 V DC / 2.5 A (power adapter included)	12 V DC / 2.0 mA (power adapter not included)	100 ... 240 V AC	PoE	PoE	PoE (802.3afat)	PoE (802.3afat)			12 V DC / 1.5 A (power adapter included)	12 V DC / 2 A (power adapter not included)					
Weight	0.93 kg	0.94 kg	0.76 kg	0.05 kg	0 2.22 kg (without stand) 0 2.24 kg (with stand)	2 kg	2 kg	1.8 kg	3 kg	3 kg	5.51 kg	6.44 kg	1.85 kg	6.70 kg	0.055 kg (single element)	0.022 kg (single element)	0.11 kg	1.04 kg	0.42 kg	0.1 kg	0.14 kg	0.124 kg	0.16 kg	0.55 kg	0.030 kg	0.062 kg	0.061 kg	0.19 kg	0.20 kg	0.31 kg	1.24 kg	0.11 kg	0.54 kg	0.11 kg	0.10 kg	0.55 kg
Dimensions	305 x 112 x 59 mm	305 x 112 x 59 mm	112 x 220 x 41 mm (with bracket)	79 x 52 x 23 mm	0 108 x 107 x 22 mm (without stand) 0 108 x 107 x 78 mm (with stand)	251 x 129 x 31 mm	313 x 130 x 59 mm	283 x 130 x 37 mm	428 x 129 x 99 mm	477 x 129 x 100 mm	465 x 191 x 121 mm	560 x 108 x 30 mm	177 x 120 x 120 mm	640 x 415 x 76 mm - 1.5 U	72 x 25 x 25 mm (single element)	0 x 20 x 18 mm (single element)	87 x 77 x 25 mm	128 x 206 x 61 mm	0 82 x 420 x 44 mm - BACK 19", 1U	0 81 x 522 x 133 mm - BACK 19", 3U	120 x 33 x 33 mm	123 x 54 x 24 mm	99 x 72 x 17 mm	0 82 x 446 x 91 mm - BACK 19", 2U	0 56 x 27 x 21 mm 0 7 cm (cable length)	79 x 44 x 23 mm	79 x 44 x 23 mm	94 x 72 x 26 mm	94 x 72 x 26 mm	120 x 110 x 23 mm (without bracket)	117 x 200 x 35 mm (without bracket)	91 x 77 x 26 mm	198 x 148 x 80 mm	91 x 77 x 26 mm	96 x 77 x 26 mm	198 x 148 x 80 mm
Supported languages	Polish, English, French, Spanish, German, Portuguese, Russian, Turkish, Italian	Polish, English, French, Spanish, German, Portuguese, Russian, Turkish, Italian	Polish, English, French, Spanish, German, Portuguese, Russian, Turkish, Italian		English	English	English	English	English	English	English									English	English				English						English, Spanish, Portuguese, Russian	Polish, English, French, Spanish, Portuguese, Russian, Italian					
Country of origin																																								
Manufacturer / Brand	APTI	APTI	APTI		DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	Hikvision	DAHUA																										
Guarantee	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years

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