

	ACCESS CONTROLLER WITH TEMPERATURE MEASUREMENT APTL- AI70FRTD-V2 4.5 mm - 1080p	ACCESS CONTROLLER WITH TEMPERATURE MEASUREMENT APTL- AI71FRTD 4.5 mm - 1080p	ACCESS CONTROLLER WITH TEMPERATURE MEASUREMENT APTL- AI80FRTD 4.5 mm - 1080p	TIME & ATTENDANCE RECORDER ASA3213G-MW DAHUA	TIME & ATTENDANCE RECORDER ASA3213GL- MW DAHUA	TIME & ATTENDANCE RECORDER ASA1222G DAHUA	ACCESS CONTROLLER WITH FACE RECOGNITION DS-K1T341AM-S - 720p Hikvision
							
	72.32 EUR 72.32 EUR	57.86 EUR 57.86 EUR	57.86 EUR 57.86 EUR	482.16 EUR 482.16 EUR	369.58 EUR 369.58 EUR	223.96 EUR 223.96 EUR	481.92 EUR 481.92 EUR
Identification time	...	...	...	...	...	< 1.5 s	...
FAR (False Acceptance Rate)	...	...	...	...	...	≤ 0.00004 %	...
Scanning system	Progressive	Progressive	Progressive	...	...	...	...
FRR (False Rejection Rate)	...	...	...	...	...	≤ 0.15 %	...
Optical zoom	—	—	—	...	...	...	...
Reading distance of prox- keys	...	...	...	...	...	1 ... 3 cm	...
Autonomous operation	...	...	...	...	...	✓	...
Sensor	1/2.8 " SONY Starvis™ Back- illuminated CMOS 1/5 " GC2145	1/2.8 " SONY Starvis™ Back- illuminated CMOS 1/5 " GC2145	1/2.9 " GC2093 1/2.9 " GC2053	CMOS	CMOS	...	CMOS
Matrix size	2.1 Mpx 2 Mpx	2.1 Mpx 2 Mpx	2.1 Mpx 2 Mpx	2 Mpx	2 Mpx	...	2 Mpx
Memory	...	...	...	...	...	...	• Memory of 1500 face templates • Memory of 1500 RFID cards • Non-volatile log buffer of the last 150 000 events
Pixel pitch	1.75 μm	1.75 μm	...	...	...	...	...
Lens	4.5 mm 2.4 mm	4.5 mm 2.4 mm	4.5 mm 4.5 mm	...	...	...	...
Communication	...	...	...	...	...	• TCP/IP, • USB - The ability to firmware upgrade	...
IR illuminator	...	...	...	✓	✓	...	—
LED illuminator	...	...	...	✓	✓	...	—
Cards support	...	...	13.56 MHz S50	...	...	13.56 MHz S50	13.56 MHz S50
Number of supported readers	...	...	...	...	...	—	...
Keyboard built-in	...	...	—	...	...	✓	...
Doorbell button	...	...	—	...	...	—	...
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 1280 x 720 - 720p 640 x 480 px	1920 x 1080 - 1080p	1920 x 1080 - 1080p	...	1280 x 720 - 720p
View angle	68 ° 70 °	68 ° 70 °	66 ° 66 ° 90 °	...	...	...	...
Interface	...	...	USB, RS-232 TTL	...	...	...	...
RFID proximity reader built- in	...	...	...	• 13.56 MHz S50 • Memory of 500 RFID cards	• 13.56 MHz S50 • Memory of 500 RFID cards	...	...
Maximum background illumination	...	...	100 000 Lux	...	...	...	...
RS-232 interface	...	...	...	—	—	...	...
USB	...	...	...	1 x USB 2.0	1 x USB 2.0	...	...
Relay output	...	NO, NC	...	...	...	1 x NO/NC	...

Main features	...	...	...	...	...	• Full support via network • Possibility of integration with systems based on SmartPSS software, • 1000 indexed users, • 2000 indexed fingerprints (maximum 3 per user), • Possibility to program up to 1000 user cards, • Non-volatile log buffer of the last 100 000 events, • LCD display - 2.4 ", • Sound signaling • Software update via network • It is possible to connect the door release button • The possibility of programming group or individual work schedules, taking into account the permissible time of lateness and earlier exit • The distinction of standard events, overtime, lateness and earlier exits • Data export to USB flash memory in "*.xls" format • The device can signal when the shift ends with an audible signal • built-in battery - 2600 mAh	...
Operation temp	...	...	...	...	...	0 °C ... 55 °C	...
QR codes reading	...	...	• 1D : EAN, UPC, Code 39, Code 93, Code 128, UCC/EAN 128, Codabar, Interleaved 2 of 5 (ITF), ITF-6, ITF-14, ISBN, ISSN, MSI-Plessey, GS1 Databar, Code 11, Industrial 25, Standard 25, Plessey, Matrix 2 of 5 • 2D : QR Code, Data Matrix, PDF417, Aztec	...	...	...	...
Permissible relative humidity	...	...	...	...	...	10 % ... 90 %	...
Max. number of on-line users	20	20	...	...	...	...	...
RS-485	✓	✓	...	...	...	...	...
Reading distance	...	...	• EAN13 (13 mm) : 30 ... 140 mm • Code 39 (5 mm) : 30 ... 50 mm • QR Code (20 mm) : 35 ... 120 mm • Data Matrix (10 mm) : 30 ... 70 mm • PDF417 (6.67 mm) : 30 ... 80 mm	...	...	...	...
Minimal contrast	...	...	25 %	...	...	...	...
Standard	TCP/IP	TCP/IP	TCP/IP	TCP/IP	TCP/IP	...	TCP/IP
SAP Code	...	...	...	...	...	...	302917454
Range of IR illumination	5 m	5 m	5 m	...	...	...	...
White light LED illuminator range	5 m	5 m	5 m	...	...	...	...
Temperature measurement	✓	✓	✓	—	—	...	...
Temperature measurement range	35 °C ... 42 °C	35 °C ... 42 °C	35.7 °C ... 42 °C	—	—	...	...
Accuracy of temperature measurement	± 0.3 °C	± 0.3 °C	± 0.3 °C	—	—	...	...
Temperature measurement distance	0.5 m ... 1.3 m optimal distance : 0.75 m	0.5 m ... 1.3 m optimal distance : 0.75 m	0.7 m ... 1.2 m	...	...	...	...
Face recognition distance	0.5 m ... 1.5 m (max 30 000 faces in the database)	0.5 m ... 2.3 m (max 30 000 faces in the database)	0.5 m ... 2.0 m (max 30 000 faces in the database)	0.3 m ... 1.5 m (max 500 faces in the database)	0.3 m ... 1.5 m (max 500 faces in the database)	...	0.3 m ... 1.5 m
Internal memory	Support storage of 25 000 records	Support storage of 25 000 records	Support storage of 50 000 records	Support storage of 150 000 records	Support storage of 150 000 records	8 MB	...
Video output	—	—	—	—	—	...	—
RS-485 interface	✓	✓	✓	✓	✓	...	✓
Wiegand interface	✓	✓	✓	—	—	...	...
Memory card slot	—	—	—	—	—	...	—
Alarm inputs / outputs	0 / 2 (bolt control, signaling of exceeding the temperature)	0 / 2 (bolt control, signaling of exceeding the temperature)	0 / 1	1 / 1 - Relay outputs	1 / 1 - Relay outputs	...	—
Audio	Speaker built-in	Speaker built-in	Speaker built-in	Voice message	Voice message	...	Speaker built-in
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)	...	10/100/1000 Mbps (RJ-45)
Network protocols	IPv4, HTTP, HTTPS, TCP/IP	IPv4, HTTP, HTTPS, TCP/IP	IPv4, TCP/IP, HTTP, MQTT, RTSP, SMTP, NTP	IPv4, RTSP, RTP, TCP, UDP, P2P	IPv4, RTSP, RTP, TCP, UDP, P2P	...	TCP/IP, ISUP, ISAPI
WEB Server	Built-in	Built-in	Built-in	Built-in	Built-in	...	Built-in
ONVIF	—	—	—	—	—	...	—


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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	...	192.168.1.64
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 / admin	admin / - The administrator password should be set at the first start
Web browser access ports	7080	7080	80	80, 37777	80, 37777	...	80
PC client access ports	7080	7080	80	37777	37777	...	port 8000
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 • 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 and the result of temperature measurement - 800 x 1280 px, 8 " • Wiegand 34/26 • Day/Night mode (color/b&w/auto) • RESET button • Alarm output of NO/NC relay type • Relay output operating modes: access control or notification of an exception • Built-in QR code reader	• 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 13.56 MHz S50, 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, external drive) • Output button support • Door status detection • Lock control • Tamper protections	• 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 13.56 MHz S50, 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 • The possibility of programming group or individual work schedules, taking into account the permissible time of lateness and earlier exit • Statistical Reporting • Backup to USB drive (pendrive, external drive) • Output button support • Door status detection • Lock control • Tamper protections	...	• 4.3 " capacitive touch screen • Mechanical tamper protection • WDR - Wide Dynamic Range • AI detection : Face recognition • Configuration and management from the iVMS-4200 application • Port USB • Recording of information about Time&Attendance • Possibility to open the gate using a QR code • Door lock control output • Possibility to connect an exit button and a reed switch to control the door status
Power supply	12 V DC	12 V DC	12 V / 2 A DC	12 V DC / 1.5 A (power adapter included)	12 V DC / 1.5 A (power adapter included)	12 V DC / 1000 mA (power adapter included)	12 V DC / 2 A (power adapter included)
Power consumption	≤ 12 W	≤ 12 W	≤ 18 W	≤ 18 W	≤ 18 W	...	≤ 24 W
Housing	Compact - Metal	Compact - Metal	Compact - Metal	Plastic (ABS)	Plastic (ABS)	...	Metal
Color	Silver	Silver	Silver	Black + Silver	Black + Silver	...	Black / Silver
"Index of Protection"	IP66	IP66	—	—	—	...	—
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	-10 °C ... 55 °C	...	-30 °C ... 60 °C
Weight	0.94 kg	0.76 kg	1.8 kg	• 0.22 kg (without stand) • 0.24 kg (with stand)	• 0.22 kg (without stand) • 0.24 kg (with stand)	0.41 kg	0.31 kg
Dimensions	305 x 112 x 59 mm	112 x 220 x 41 mm (with bracket)	366 x 132 x 144 mm	• 116 x 107 x 22 mm (without stand) • 116 x 107 x 78 mm (with stand)	• 116 x 107 x 22 mm (without stand) • 116 x 107 x 78 mm (with stand)	181 x 136 x 32 mm	173 x 83 x 23 mm (without bracket)
Montage hole diameter	33 mm	...	35 mm	...	...	...	...
Length of the cable	64 cm	64 cm	65 cm	...	...	...	...
Supported languages	Polish, English, French, Spanish, German, Portuguese, Russian, Turkish, Italian	Polish, English, French, Spanish, German, Portuguese, Russian, Turkish, Italian	English, French, Spanish, Ukrainian, Italian	English	English	...	English, German, French, Polish, Czech, Hungarian, Bulgarian, Serbian, Slovenian, Albanian
Manufacturer / Brand	APTI	APTI	APTI	DAHUA	DAHUA	DAHUA	Hikvision
Guarantee	3 years	3 years	3 years	3 years	3 years	3 years	3 years