

	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- AI80FORDT 4.5 mm - 1080p	ACCESS CONTROLLER WITH TEMPERATURE MEASUREMENT ASI7213X- T1 - 1080p DAHUA	TEMPERATURE METER HT-6889 -50 °C ... 2200 °C	TEMPERATURE METER UT-300H 32 °C ... 42.9 °C UNLT	TEMPERATURE METER UT-309C -35 °C ... 650 °C UNLT	ACCESS CONTROLLER WITH TEMPERATURE MEASUREMENT DS- KITA70MLT - 1080p Hikvision
								
	71.73 EUR 71.73 EUR	57.39 EUR 57.39 EUR	57.39 EUR 57.39 EUR	3500.63 EUR 3500.63 EUR	158.39 EUR 158.39 EUR	8.14 EUR 8.14 EUR	84.32 EUR 84.32 EUR	1792.64 EUR 1792.64 EUR
Scanning system	Progressive	Progressive	Progressive	---	---	---	---	Progressive
Optical zoom	---	---	---	---	---	---	---	---
Optimum measuring distance	---	---	---	---	---	5 cm ... 10 cm	---	---
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	1/2.8 " CMOS	---	---	---	CMOS Uncooled VOx microbolometer
Matrix size	2.1 Mpx 2 Mpx	2.1 Mpx 2 Mpx	2.1 Mpx 2 Mpx	2.1 Mpx 120 x 90 px	---	---	---	2.1 Mpx 120 x 160 px
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	---	---	---	---	---
Cards support	---	---	13.56 MHz S50	---	---	---	---	13.56 MHz S50
Reading distance of prox-keys	---	---	---	---	---	---	---	~ 5 cm
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 120 x 90 px	---	---	---	1920 x 1080 - 1080p
View angle	68 ° 70 °	68 ° 70 °	66 ° 66 ° 90 °	50 °	---	---	---	---
Memory	---	---	---	---	---	---	---	Memory of 6000 face templates Memory of 6000 RFID cards Non-volatile log buffer of the last 100 000 events
Interface	---	---	USB, RS-232 TTL	---	---	---	---	---
Maximum background illumination	---	---	100 000 Lux	---	---	---	---	---
IR illuminator	---	---	---	---	---	---	---	✓
RFID proximity reader built-in	---	---	---	13.56 MHz S50	---	---	---	---
LED illuminator	---	---	---	---	---	---	---	✓
Measurement resolution	---	---	---	---	• 0.1 °C @ ≤ 1000 °C, • 1 °C @ > 1000 °C	0.1 °C	0.1 °C	---
Response time	---	---	---	---	100 ms	500 ms	250 ms	---
RS-232 interface	---	---	---	✓	---	---	---	---
Spectral range	---	---	---	---	8 μm ... 14 μm	8 μm ... 14 μm	8 μm ... 14 μm	---
USB	---	---	---	2 x USB 2.0	---	---	---	---
Main features	---	---	---	---	• Built-in laser pointer • Memory of the last 100 measurements • Selectable measurement unit: °C / °F • Automatic sleep mode after 7 s idle time • Low battery indicator • Probe • White backlight	• Display time of the last measurement: 8s • Sound signal when the reading value is higher than 37.2°C • Automatic sleep mode after 8s idle time • Low battery indicator • Selectable measurement unit: °C / °F • Backlight color : White	• Display time of the last measurement: 8s • Automatic sleep mode after 8s idle time • Low battery indicator • Selectable measurement unit: °C / °F • Backlight color : Blue	---
Relay output	---	NO, NC	---	---	---	---	---	---
Permissible relative humidity	---	---	---	---	< 90 %	< 85 %	< 85 %	---
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, GSI Databar, Code 11, Industrial 25, Standard 25, Plessey, Matrix 2 of 5 • 2D : QR Code, Data Matrix, PDF417, Aztec	---	---	---	---	---
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
Range of IR illumination	5 m	5 m	5 m	5 m	---	---	---	---

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White light LED illuminator range	5 m	5 m	5 m	5 m	...	...	...	...
Temperature measurement	✓	✓	✓	✓	...	...	...	✓
Temperature measurement range	35 °C ... 42 °C	35 °C ... 42 °C	35.7 °C ... 42 °C	30 °C ... 50 °C	-50 °C ... 2200 °C	32 °C ... 42.9 °C	-35 °C ... 650 °C	30 °C ... 45 °C
Accuracy of temperature measurement	± 0.3 °C	± 0.3 °C	± 0.3 °C	± 0.1 °C	• ≤ -23 °C : ± 7 °C, • -23 °C ... -2 °C : ± 4 °C • -2 °C ... 94 °C : ± 2.5 °C • 94 °C ... 1000 °C : ± 1 °C • > 1000 °C : ± 2 °C	± 0.3 °C	≤ 0 °C : ± 1.8 °C , > 0 °C : ± (10% + 1.8) @ 1 °C	± 0.5 °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	...	...	...	...	0.3 ... 1.8 m
SAP Code	...	...	...	...	...	...	...	302917212
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 ... 1.8 m (max 100 000 faces in the database)	...	...	...	0.3 m ... 1.8 m
Internal memory	Support storage of 25 000 records	Support storage of 25 000 records	Support storage of 50 000 records	Support storage of 300 000 records	...	...	...	...
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	2 / 2 - Relay outputs	...	...	...	2 / 1
Audio	Speaker built-in	Speaker built-in	Speaker built-in	Speaker built-in	...	...	...	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 10/100/1000 Base-T (RJ-45)	...	...	...	10/100/1000 Base-T (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	...	...	...	TCP/IP
WEB Server	Built-in	Built-in	Built-in	Built-in	...	...	...	—
ONVIF	—	—	—	✓	...	...	...	—
Default IP address	DHCP / 192.168.1.88	DHCP / 192.168.1.88	DHCP / 192.168.1.88	192.168.1.108	...	...	...	192.168.1.64
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
Web browser access ports	7080	7080	80	80, 37777	...	...	...	...
PC client access ports	7080	7080	80	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	• 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 13.56 MHz S50, Face recognition, Any combination of the above • Wiegand 34/26 • WDR - 120 dB - Wide Dynamic Range • LED indication • Buzzer 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	...	...	...	• 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 / 2 A DC	12 V DC / 2 A (power adapter included)	9V, type 6F22 battery (not included)	9V, type 6F22 battery (included)	9V, type 6F22 battery (included)	12 V DC / 2 A (power adapter not included)
Power consumption	≤ 12 W	≤ 12 W	≤ 18 W	≤ 24 W	...	...	...	≤ 24 W
Housing	Compact - Metal	Compact - Metal	Compact - Metal	Aluminum + Tempered glass	Plastic	Plastic	Plastic	Compact - Metal
Color	Silver	Silver	Silver	Black + Silver	Yellow + Black	White + Blue	Red + Graphite	Silver + Black
"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 - without temperature measurement • 15 °C ... 32 °C - with temperature measurement	0 °C ... 50 °C	15 °C ... 30 °C	15 °C ... 30 °C	0 °C ... 50 °C
Weight	0.94 kg	0.76 kg	1.8 kg	2 kg	0.25 kg	0.14 kg	0.31 kg	1.34 kg
Dimensions	305 x 112 x 59 mm	112 x 220 x 41 mm (with bracket)	366 x 132 x 144 mm	313 x 130 x 59 mm	125 x 224 x 52 mm	153 x 108 x 40 mm	184 x 103 x 53 mm	117 x 290 x 35 mm (without bracket)
Montage hole diameter	33 mm	...	35 mm	37 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	...	...	...	Polish, English, French, Spanish, Portuguese, Russian, Italian
Manufacturer / Brand	APTI	APTI	APTI	DAHUA	Hti	UNI-T	UNI-T	Hikvision
Guarantee	3 years	3 years	3 years	3 years	2 years	2 years	2 years	3 years

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