






	ACCESS CONTROLLER WITH TEMPERATURE MEASUREMENT APTI-AI71FRTD 4.5 mm - 1080p	IP HYBRID THERMAL IMAGING CAMERA TPC-BF1241-B3F4-S2 3.5 mm - 960p, 4 mm - 4 Mpx DAHUA	CLEANING STICKS CLEANING-STICKS/20 AG TERMOPASTY	ACOUSTIC GLASSBREAK DETECTOR TESTER TESTER-INDIGO SATEL	COLD GALVANIZATION SPRAY GALVA-PROCAT SPRAY 500 ml SUPER GLOSS AMPERE
					
	220.00 PLN 220.00 PLN	4509.00 PLN 4509.00 PLN	22.20 PLN 22.20 PLN	329.00 PLN 329.00 PLN	26.61 PLN 26.61 PLN
Type of imitated sounds	...	...	...	Plate, laminated, tempered glass breaking	...
Package	...	...	...	...	Spray 500 ml
In package	...	...	20 pcs - The price for package	...	...
Thermal sensitivity (NETD)	...	< 50 mK @ F1.0	...	...	...
Optical zoom	—	...	...	...	...
Application	...	...	<ul style="list-style-type: none"> • Cleaning the optics • Cleaning heads in dot matrix printers • Cleaning the mechanical components of printers (including paper feeding mechanisms, print head drives) • LCD displays cleaning • Cleaning keyboards, mice and other electronic equipment with hard-to-reach areas 	...	<ul style="list-style-type: none"> • Corrosion protection, • Surface preservation • For all kinds of materials: wood, stone, glass, metal, etc.
Spectral range	...	8 μm ... 14 μm	...	...	...
Color palettes	...	18	...	...	...
Digital zoom	...	x 16	...	...	...
Pixel pitch	1.75 μm	12 μm	...	...	...
Main features	...	...	...	...	<ul style="list-style-type: none"> • Super gloss, • Build up a film with excellent anti-corrosion properties • Good electrochemical corrosion protection on metal • Excellent adherence on metal • Does not create leaks • Coverage : ~ 2 m²
White light LED illuminator range	5 m	...	...	...	...
Sensor	1/2.8 " SONY Starvis™ Back-illuminated CMOS 1/5 " GC2145	Uncooled VOx microbolometer 1/2.7 " Progressive Scan CMOS	...	...	...
Temperature measurement	✓	...	...	...	...
Matrix size	2.1 Mpx 2 Mpx	256 x 192 px 4 Mpx	...	...	...
Scanning system	Progressive	Progressive	...	...	...
Temperature measurement range	35 °C ... 42 °C	...	...	...	...
Lens	4.5 mm 2.4 mm	3.5 mm 4 mm	...	...	...
Accuracy of temperature measurement	± 0.3 °C	...	...	...	...
View angle	68 ° 70 °	51 ° 71 °	...	...	...
Face recognition distance	0.5 m ... 2.3 m (max 30 000 faces in the database)	...	...	...	...
Min. illumination	...	0.05 Lux (color) 0.005 Lux (B/W)	...	...	...
Range of IR illumination	5 m	30 m	...	...	...
Temperature measurement distance	0.5 m ... 1.3 m optimal distance : 0.75 m
Internal memory	Support storage of 25 000 records
Wiegand interface	✓

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Resolution	1920 x 1080 - 1080p 800 x 600 - 0.48 Mpx	1280 x 960 - 960p , 1024 x 768 px , 640 x 480 px , 256 x 192 px 2336 x 1752 - 4 Mpx 1920 x 1080 - 1080p 1280 x 720 - 720p 704 x 576 - D1
Standard	TCP/IP	TCP/IP	...	...	...
Video output	—	—	...	...	...
Relay output	NO, NC	...	...	...	...
RS-485 interface	✓	✓	...	...	...
Memory card slot	—	Micro SD memory cards up to 256GB support (possible local recording)	...	...	...
Image compression method	...	H.265 / H.264 / MJPEG	...	...	...
Alarm inputs / outputs	0 / 2 (bolt control, signaling of exceeding the temperature)	1 / 1	...	...	...
Audio	Speaker built-in	<ul style="list-style-type: none"> • External microphone input • Audio output • Bi-directional audio streaming support • Built-in alarm siren	...	...	...
RS-485	✓	...	...	...	...
Main stream frame rate	...	25 fps @ 1280 x 960 25 fps @ 4 Mpx	...	...	...
Network interface	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)	...	...	...
Network protocols	IPv4, HTTP, HTTPS, TCP/IP	HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, RTCP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, IPv4/IPv6, SNMP, QoS, UPnP, NTP	...	...	...
WEB Server	Built-in	Built-in	...	...	...
Length of the cable	64 cm	...	...	...	...
Max. number of on-line users	20	10	...	...	...
ONVIF	—	20.12	...	...	...
Default IP address	DHCP / 192.168.1.88	192.168.1.108	...	...	...
Default admin user / password	admin / 12345	admin / - The administrator password should be set at the first start	...	...	...
Web browser access ports	7080	80, 37777	...	...	...
PC client access ports	7080	37777	...	...	...
Port ONVIF	...	80	...	...	...
RTSP URL	...	rtsp://admin:hassto@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 - Main stream rtsp://admin:hassto@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1 - Sub stream	...	...	...
Main features	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • The possibility of overlapping the image from a thermal imaging camera in a classic image • D-WDR - Wide Dynamic Range • ROI - improve the quality of selected parts of image • 2D-DNR, 3D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Day/Night mode (color/b&w/auto) • Auto White Balance • AGC - Automatic Gain Control • Sharpness - sharper image outlines • Motion Detection • Detection of people smoking cigarettes • Detection of telephone conversations • Track the hottest or coldest spots in an image • IVS analysis : crossing the line (tripwire), intrusion, fire detection, classification of people and vehicles - The IVS analysis functions can be defined independently for the thermal imaging camera and the vision camera	...	...	...
Power supply	12 V DC	<ul style="list-style-type: none"> • PoE (802.3af), • 12 V DC / 1.2 A 	...	9 V alkaline battery 6LR61 (not included)	...
Power consumption	≤ 12 W	≤ 14 W	...	...	...
Housing	Compact - Metal	Compact - Metal	...	...	...
Color	Silver	White	...	...	Gray
"Index of Protection"	IP66	IP67	...	...	...
Operation temp	15 °C ... 25 °C - temperature measurement only in closed rooms (stabilized temperature)	-30 °C ... 50 °C	...	...	...
Dimensions	112 x 220 x 41 mm (with bracket)	206 x 91 x 90 mm	123 x 12 x 4 mm	196 x 69 x 33 mm	Ø 66 x 240 mm
Weight	0.76 kg	0.82 kg	...	0.11 kg	0.464 kg
Supported languages	Polish, English, French, Spanish, German, Portuguese, Russian, Turkish, Italian	Polish, English, Czech, French, Spanish, Dutch, German, Portuguese, Russian, Turkish, Italian	...	...	...
Manufacturer / Brand	APTI	DAHUA	AG TERMOPASTY	SATEL	AMPERE
Guarantee	3 years	3 years	...	2 years	...



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