




	IP SPEED DOME CAMERA OUTDOOR DS-2DE7A825IW-AEB(T5) ACUSENSE - 8.3 Mpx, 4K UHD 5.9 ... 147.5 mm Hikvision	THERMOSTAT FOR FAN COOLERS KTS-011	IP HYBRID THERMAL IMAGING CAMERA DS-2TD2628T-7/QA 6.9 mm - 720p, 6.4 mm - 4 Mpx Hikvision
			
	26479.55 NOK 26479.55 NOK	75.83 NOK 75.83 NOK	14191.82 NOK 14191.82 NOK
Sensor type	...	Bimetallic	...
Maximal power voltage	...	250 V AC	...
Maximal current consumption	...	10 A	...
Pixel pitch	...	...	12 µm
Temperature set range	...	0 °C ... 60 °C	...
Thermal sensitivity (NETD)	...	...	≤ 40 mK @ F1.0
Hysteresis	...	7 °C ± 4 °C	...
Spectral range	...	...	8 µm ... 14 µm
Color palettes	...	...	✓
Operation temp	...	-20 °C ... 80 °C	...
Mounting	...	DIN rail 35 mm	...
Scanning system	Progressive	...	...
Temperature measurement	...	...	<ul style="list-style-type: none"> • Spot • Line • Area max. 21 positions
Temperature measurement range	...	...	-20 °C ... 550 °C
Accuracy of temperature measurement	...	...	± 2 °C
Preset rotation speed	<ul style="list-style-type: none"> • 240 °/s (horizontal) • 200 °/s (vertical)	...	...
Sensor	1/1.8 " Progressive Scan CMOS	...	Uncooled VOx microbolometer 1/2.7 " Progressive Scan CMOS
Matrix size	8.3 Mpx	...	256 x 192 px 4 Mpx
Lens	5.9 ... 147.5 mm	...	6.9 mm 6.4 mm
View angle	<ul style="list-style-type: none"> • 51 ° ... 2.6 ° (manufacturer data) • 57 ° ... 3.2 ° (our tests result) 	...	24.9 ° 53 °
Rotation speed (manual control)	<ul style="list-style-type: none"> 0.1 °/s ... 160 °/s (horizontal) 0.1 °/s ... 120 °/s (vertical)	...	...
Optical zoom	x 25	...	— —
Digital zoom	x 16	...	2x, 4x —
Range of IR illumination	200 m	...	30 m
Horizontal rotation range	360 ° - continuous	...	...
White light LED illuminator range	...	...	30 m
Vertical rotation range	-15 ° ... 90 °	...	...
Number of presets	300	...	...
Horizontal scan	✓	...	...
Route settings	4	...	...
Resolution	3840 x 2160 - 8.3 Mpx, 4K UHD , 2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p 1280 x 960 - 1.3 Mpx 1280 x 720 - 720p	...	1280 x 720 - 720p , 704 x 576 640 x 512 320 x 240 2688 x 1520 - 4 Mpx 1920 x 1080 - 1080p 1280 x 720 - 720p
Standard	TCP/IP	...	IP
Video output	—	...	CVBS, SPOT output : 1.0 Vpp / 75 Ω
RS-485 interface	—	...	✓
Image compression method	H.265+ / H.265 / H.264+ / H.264 / MJPEG	...	H.265 / H.264 / MJPEG

DELTA-OPTI Monika Matysiak / VAT:PL5251295225 / 60-713 Poznań, ul. Graniczna 10
 Tel:+48 61 864 69 60 / GSM:+48 607 60 11 66 / Fax:+48 61 864 69 65 / e-mail: info@delta.poznan.pl
 Monday-Friday: 8.00-19.00 / Saturday: 8.00-14.00

Alarm inputs / outputs	2 / 1	...	2 / 2
Audio	<ul style="list-style-type: none"> • External microphone input • Audio output • Audio detection • Speaker built-in - Alarm siren • Bi-directional audio streaming support • Digital Noise Reduction 	...	<ul style="list-style-type: none"> • External microphone input / Audio input, • Audio output, • Bi-directional audio streaming support, • Speaker built-in
Main stream frame rate	25 fps @ 8.3 Mpx	...	25 fps @ 4 Mpx
Network interface	10/100 Base-T (RJ-45)	...	10/100 Base-T (RJ-45)
Network protocols	IPv4/IPv6, HTTP, HTTPS, IEEE 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour, WebSocket, WebSockets	...	...
WEB Server	Built-in	...	Built-in
Max. number of on-line users	20	...	32
ONVIF	19.12	...	✓
Memory card slot	Micro SD memory cards up to 256GB support (possible local recording)	...	Micro SD memory cards up to 256GB support (possible local recording)
Mobile phones support	Port no.: 8000 or access by a cloud (P2P) <ul style="list-style-type: none"> • Android: Free application Hik-Connect • iOS: Free application Hik-Connect 	...	Port no.: 8000 or access by a cloud (P2P) <ul style="list-style-type: none"> • Android: Free application Hik-Connect • iOS: Free application Hik-Connect
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
Default IP address	192.168.1.64	...	192.168.1.64
Web browser access ports	80	...	80
PC client access ports	Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application	...	Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application
Intelligent image analysis	...	...	<ul style="list-style-type: none"> • IVS analysis : crossing the line (tripwire), intrusion, detection of entry into the area / exit from the area • object detection (people, vehicle) • fire detection • Smoke detection
Mobile client access ports	8000	...	8000
Port ONVIF	80	...	80
RTSP URL	<ul style="list-style-type: none"> • Main stream : rtsp://user:password@192.168.1.64:554/Streaming/Channels/101/ • Sub stream : rtsp://user:password@192.168.1.64:554/Streaming/Channels/102/ 	...	<ul style="list-style-type: none"> • Main stream VIDEO CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/101/ THERMAL IMAGING CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/201/ • Sub stream VIDEO CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/102/ THERMAL IMAGING CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/202/
Protections	...	...	<ul style="list-style-type: none"> • Protection against lightning discharges : 4 kV • Overvoltage limiter, Overvoltage protection
Mechanical protection class	...	...	IK10

Main features	<ul style="list-style-type: none"> • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • EIS - Electronic Image Stabilization • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Parking action - this function enables to locate the camera to specific position automatically if operator doesn't operate the controller for some time • ANR - Automatic Network Replenishment allows to save image to the card when the network connection with DVR is break (network failure) and next synchronize its • NAS - Network Attached Storage support • Privacy zones - max. 24 • Motion Detection • Sharpness - sharper image outlines • The camera is equipped with a built-in heater with a thermostat • Intelligent 3D Positioning System • Intelligent Object Tracking • Active deterrence function - Light and sound alarm • Filtering of false alarms based on the recognition of persons and vehicles • Intelligent image analysis : crossing the line (tripwire), intrusion, detection of entry into the area / exit from the area, abandoned/missing object, advanced face capture features - detection of up to 5 faces simultaneously 	...	<ul style="list-style-type: none"> • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • AGC - Automatic Gain Control • DDE (Digital Detail Enhancement) - the function automatically optimizes the contrast of the thermal image in high-dynamic scenes - small differences in the temperature distribution of the examined object are highlighted • Sun-reflection filter • Temperature measurement • Intelligent alarm linked to turning on white light and loudspeaker • NAS - Network Attached Storage support - allows to connect memory resources directly to the computer network • The ANR (Automatic Network Replenishment) function - ensures integrity of recording data in the event of network failures. It bases on automatic saving the recording data to microSD card inserted inside the camera, and after failure is end, the recorded data are automatically synchronized with the recorder
Power supply	<ul style="list-style-type: none"> • Hi-PoE, • 24 V AC (power adapter included) 	...	<ul style="list-style-type: none"> • PoE (802.3af), • 12 V DC, • 24 V AC
Power consumption	≤ 42 W	...	≤ 8.5 W
Housing	Speed Dome, Metal	...	Compact - Metal
Color	White	...	White
Operation temp	-30 °C ... 65 °C	...	-40 °C ... 65 °C
"Index of Protection"	IP66	IP20	IP67
Vandal-proof	IK10	...	...
Weight	6.1 kg (with bracket)	0.042 kg	1.76 kg
Dimensions	<ul style="list-style-type: none"> • Ø 220 x 363 mm (without bracket) • Ø 220 x 393 x 453 mm (with bracket) 	60 x 43 x 33 mm	358.3 x 113.5 x 115.2 mm
Supported languages	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Finnish, French, Greek, Spanish, Dutch, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Vietnamese, Italian	...	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Finnish, French, Greek, Spanish, Dutch, Lithuanian, Latvian, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Italian
Manufacturer / Brand	Hikvision	...	Hikvision
SAP Code	327000245	...	305401692
Guarantee	3 years	2 years	3 years