

Code: TPC-SD2241-TB7F8-S2

IP HYBRID THERMAL IMAGING CAMERA **TPC-SD2241-TB7F8-S2** 7 mm - 960p, 8 mm - 4 Mpx DAHUA

The TPC-SD2241-TB7F8-S2 Dual Thermal Imaging Camera is a modern solution that allows to detect the presence of people, animals and vehicles regardless of the prevailing vision conditions. The device is equipped with sensitive VOx microbolometer that allows to observe the objects in fog, smoke and in the absence of illumination. The possibility of superimposing a thermal image on a visual image results in much greater readability compared to traditional thermal imaging cameras.

An additional advantage of the TPC series cameras is the ability to detect fire and send a signal to the alarm control panel when it occurs.



Sensor:	Uncooled VOx microbolometer
Matrix size:	256 x 192 px
Pixel pitch:	12 μm
Thermal sensitivity (NETD):	≤ 40 mK
Spectral range:	8 μm ... 14 μm
Color palettes:	18
Lens:	7 mm
View angle:	24 °
Temperature measurement:	<ul style="list-style-type: none"> • Spot • Line • Area max. 12 positions
Temperature measurement range:	<ul style="list-style-type: none"> • -20 °C ... +150 °C • 0 °C ... +550 °C



DATA SHEET

Resolution:	1280 x 960 - 960p , 1024 x 768 px , 640 x 480 px , 256 x 192 px
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VIDEO CAMERA:

Sensor:	1/2.7 " Progressive Scan CMOS
Matrix size:	4 Mpx
Lens:	8 mm
View angle:	33.4 °
Optical zoom:	—
Digital zoom:	—
Range of IR illumination:	50 m
Resolution:	2336 x 1752 - 4 Mpx , 1920 x 1080 - 1080p , 1280 x 720 - 720p , 704 x 576 - D1

General information:

Standard:	IP, CVBS
Video output:	CVBS - 1 Vpp / 75 Ω, BNC
RS-485 interface:	✓
Memory card slot:	Micro SD memory cards up to 256GB support (possible local recording)
Image compression method:	H.265 / H.264 / H.264H
Alarm inputs / outputs:	2 / 1
Audio:	<ul style="list-style-type: none">• 1 pcs Input• 1 pcs Output• Bi-directional audio streaming support
Main stream frame rate:	25 fps @ 1280 x 960 25 fps @ 4 Mpx
Interface:	10/100 Base-T (RJ-45)
WEB Server:	Built-in, NVR compliance
Max. number of on-line users:	10
ONVIF:	✓
Mobile phones support:	Port 37777 <ul style="list-style-type: none">• Android: DMSS free application• iOS (iPhone): DMSS free application
Default IP address:	192.168.1.108
Default admin user / password:	admin / - The administrator password should be set at the first start
Web browser access ports:	80, 37777
PC client access ports:	37777





DATA SHEET

Mobile client access ports:	37777
Port ONVIF:	80
RTSP URL:	rtsp://admin:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 - Main stream rtsp://admin:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1 - Sub stream
Preset rotation speed:	<ul style="list-style-type: none">• 240 °/s (horizontal)• 200 °/s (vertical)
Rotation speed (manual control):	<ul style="list-style-type: none">• 0.1 °/s ... 200 °/s (horizontal)• 0.1 °/s ... 120 °/s (vertical)
Horizontal rotation range:	360 ° - continuous
Vertical rotation range:	-15 ° ... 90 °
Protocols:	DH-SD, Pelco-P, Pelco-D - Auto detection
Number of presets:	300
Horizontal scan:	✓
Route settings:	8
Intelligent image analysis:	<ul style="list-style-type: none">• IVS analysis : crossing the line (tripwire), intrusion• Smoke detection• fire detection• object detection (people, vehicle)• Intelligent tracking of warmest / coldest point
Main features:	<ul style="list-style-type: none">• The possibility of overlapping the image from a thermal imaging camera in a classic image• 2D-DNR, 3D-DNR - Digital Noise Reduction• F-DNR (Defog) - Reduction of image noise caused by precipitation• ROI - improve the quality of selected parts of image• D-WDR - Wide Dynamic Range• BLC/HLC - Back Light / High Light Compensation• AGC - Automatic Gain Control• EIS - Electronic Image Stabilization• WB - White Balance (ATW/AWB/manual/indoor/outdoor)• Day/night mode• ICR - Movable InfraRed filter• AutoFocus• DDE - Digital Detail Enhancement• PIP - Picture In Picture• Motion Detection• Temperature measurement• Intelligent alarm linked to turning on white light and loudspeaker• 6kV protection of the camera and its structure against the effects of lightning• Protection against electrostatic discharge - Contact/Air (ESD/EMP) : 8 / 15 kV
Power supply:	<ul style="list-style-type: none">• 12 V DC / 1.62 A• PoE+ - IEEE 802.3at• ePoE
Power consumption:	≤ 19.6 W @ PoE ≤ 19,4 W @ 12 V DC
Housing:	Speed Dome
Color:	White
"Index of Protection":	IP66



DATA SHEET

Operation temp:	-30 °C ... 60 °C
Weight:	3.2 kg
Dimensions:	Ø 160 x 295 mm
Supported languages:	English
Manufacturer / Brand:	DAHUA
Guarantee:	3 years