Code: TPC-BF1241-B3F4-S2

IP HYBRID THERMAL IMAGING CAMERA **TPC-BF1241-B3F4-S2** 3.5 mm - 960p, 4 mm - 4 Mpx DAHUA

Net: 1 079.43 EUR Gross: 1 079.43 EUR

The TPC-BF1241-B3F4-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. 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.



SPECIFICATION

Sensor:	Uncooled VOx microbolometer
Matrix size:	256 x 192 px
Pixel pitch:	12 µm
Thermal sensitivity (NETD):	< 50 mK @ F1.0
Spectral range:	8 µm ... 14 µm
Color palettes:	18
Lens:	3.5 mm
View angle:	51 °
Digital zoom:	x 16
Resolution:	1280 x 960 - 960p , 1024 x 768 px , 640 x 480 px , 256 x 192 px

VIDEO CAMERA:

Sensor:	1/2.7 " Progressive Scan CMOS
Matrix size:	4 Mpx
Scanning system:	Progressive
Lens:	4 mm
View angle:	71 °

DELTA-OPTI Monika Matysiak; https://www.delta.poznan.pl
POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60

Min. illumination:	0.05 Lux (color) 0.005 Lux (B/W)
Range of IR illumination:	30 m
Resolution:	2336 x 1752 - 4 Mpx 1920 x 1080 - 1080p 1280 x 720 - 720p 704 x 576 - D1

General information:

Standard:	TCP/IP
Video output:	–
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:	1 / 1
Audio:	• External microphone input • Audio output • Bi-directional audio streaming support • Built-in alarm siren
Main stream frame rate:	25 fps @ 1280 x 960 25 fps @ 4 Mpx
Network interface:	10/100 Base-T (RJ-45)
Network protocols:	HTTP, HTTPS, TCP, ARP, RTSP, RTP, UDP, RTCP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, IPv4/IPv6, SNMP, QoS, UPnP, NTP
WEB Server:	Built-in
Max. number of on-line users:	10
ONVIF:	20.12
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
Port ONVIF:	80
RTSP URL:	rtsp://admin:hasło@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 - Main stream rtsp://admin:hasło@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1 - Sub stream
Main features:	• 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:	• PoE (802.3af), • 12 V DC / 1.2 A
Power consumption:	≤ 14 W
Housing:	Compact - Metal
Color:	White
"Index of Protection":	IP67
Operation temp:	-30 °C ... 50 °C
Dimensions:	206 x 91 x 90 mm
Weight:	0.82 kg
Supported languages:	Polish, English, Czech, French, Spanish, Dutch, German, Portuguese, Russian, Turkish, Italian
Manufacturer / Brand:	DAHUA
Guarantee:	**3 years**

PRESENTATION



Side view:



Bottom view:



Memory card slot and "Reset" button:



Mounting side view:



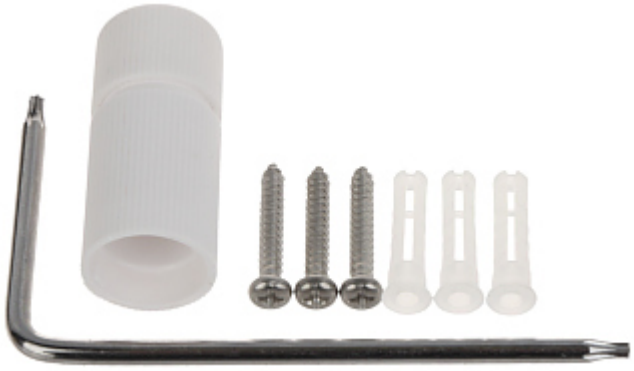
Camera connectors:



Connectors description:



In the kit:



OUR TESTS

Camera image at artificial illumination (about 30Lux):



Camera image at night conditions with internal built-in IR illuminator on:



Camera image at direct strong light opposite to camera:



Image comparison of the video camera and the thermal imaging camera in sample color pallets:







PACKAGE

DELTA-OPTI Monika Matysiak; https://www.delta.poznan.pl
POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg