



# User Manual

Code: TC-C35LQ SPEC:I5W/E/Y/T/6MM/V4.2

IP HYBRID THERMAL IMAGING CAMERA **TC-C35LQ SPEC:I5W/E/Y/T/6MM/V4.2** 6.8 mm - 720p, -  
5 Mpx 6 mm TIANDY

## Warning!

Please read the user manual included in this work as it contains important information related with safety of installation and use of the device.

Only persons who read the user manual may use the device.

The user manual must be kept because it may be required in the future. The device is to be used exclusively for purposes specified in this user manual.

The device must be unpacked prior to starting-up. After removing the packaging make sure the device is in working order.

If the product has defects, it should not be used until it is repaired.

The product is intended for use at home and commercial use and may not be used for other than intended use.

The manufacturer is not liable for damages resulting from not adhering to the rules contained in the user manual, therefore, we recommend to follow the aforementioned safety rules for operation and maintenance of the device. In this way you will ensure yourself safety and avoid causing damage to the device.

The manufacturer and the supplier are not liable for losses or damages arising out of the product, including financial or intangible losses, loss of profits, income, data, pleasure from use of the product or other products related with it - indirect, incidental or consequential loss or damage. The above provisions apply whether the loss or damage concerns:

1. Deterioration of quality or the lack of operation of the products or products related with it due to damage as well as the lack of access to the product when it is undergoing repair, which results in stoppage the loss of user's time or a break in business activity;
2. Improper results of operation of the product or products related with it;
3. It applies to losses and damages according to any legal category, including negligence and other losses, termination of a contract, expressed or implied guarantee and strict liability (even if the manufacturer or the supplier was notified about the possibility of occurrence of such damages).

### Safety measures:

Particular attention at designing was directed to quality standards of the device where ensuring safety of operation is the most important factor.

The device must be secured against contact with caustic, staining and viscous fluids.

The device was designed in such a way that it restarts operation when power supply is restored after a break.

**Attention! We recommend using protections to further protect the device from possible overvoltages in installations. Surge protectors are effective protection against accidental pass to the device voltages higher than the rated. Damages caused by pass the voltages higher than specified in manual, are not under warranty.**

Turn off the device before transporting it.

Prior to connecting the device to a power source check whether the supplied voltage is consistent with rated voltage specified in the user manual.

### Proper product disposal:

A marking of a crossed out waste bin indicates that the product may not be disposed together with other household waste in the entire EU. To avoid possible damage to the natural environment of health due to uncontrolled waste disposal, therefore, it should be handed over for recycling, propagating in this way sustainable use of natural resources.

To return a worn-out product, use a collection and disposal system of this type of equipment or contact a seller from whom it was purchased. He will then be recycled in an environmentally-friendly way.

The TC-C35LQ SPEC:I5W/E/Y/T/6MM/V4.2 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.



Sensor:	Uncooled VOx microbolometer
Pixel pitch:	12 $\mu$ m
Thermal sensitivity (NETD):	< 55 mK @ F1.1
Spectral range:	8 $\mu$ m ... 14 $\mu$ m
Lens:	6.8 mm
View angle:	26 °
Resolution:	1280 x 720 px - 720p , 704 x 576 px , 640 x 480 px , 352 x 288 px

#### VIDEO CAMERA:

Resolution:	2880 x 1620 - 5 Mpx 2688 x 1520 - 4 Mpx 2560 x 1440 - 3.7 Mpx 2304 x 1296 - 3 Mpx
Sensor:	1/2.7 " Progressive Scan CMOS
Lens:	6 mm
View angle:	53 °
Range of IR illumination:	50 m

#### General information:

Standard:	IP
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Video output:	—
RS-485 interface:	✓
Memory card slot:	Micro SD card support up to 512GB
Image compression method:	S+265 / H.265 / H.264
Alarm inputs / outputs:	2 / 1
Audio:	<ul style="list-style-type: none"><li>• Microphone built-in,</li><li>• Speaker built-in</li><li>• Audio input</li><li>• Bi-directional audio streaming support</li><li>• Audio output</li></ul>
Main stream frame rate:	<ul style="list-style-type: none"><li>• 25 fps @ 1280 x 960</li><li>• 25 fps @ 5 Mpx</li></ul>
Interface:	10/100 Base-T (RJ-45)
WEB Server:	Built-in
Max. number of on-line users:	3
ONVIF:	✓
Mobile phones support:	Port no.: 3000 or access by a cloud (P2P) <ul style="list-style-type: none"><li>• Android: Free application <a href="#">EasyLive Plus</a></li><li>• iOS (iPhone): Free application <a href="#">EasyLive Plus</a></li></ul>
Access from PC:	Port no.: 3000 or access by a cloud (P2P) - PC: Free application <a href="#">Easy7 Smart Client Express</a>
Default IP address:	DHCP or 192.168.1.2
Default admin user / password:	admin / - The administrator password should be set at the first start
Web browser access ports:	80, 443, 3000, 3001, 3002, 23002
Mobile client access ports:	3000, 3001
PC client access ports:	3000, 3001
Port ONVIF:	80
Intelligent image analysis:	<ul style="list-style-type: none"><li>• crossing the line (tripwire)</li><li>• intrusion</li><li>• classification of people and vehicles</li></ul>
Main features:	<ul style="list-style-type: none"><li>• WDR - Wide Dynamic Range</li><li>• ROI - improve the quality of selected parts of image</li><li>• 3D-DNR - Digital Noise Reduction</li><li>• BLC/HLC - Back Light / High Light Compensation</li><li>• ICR - Movable InfraRed filter</li><li>• Day/Night mode (color/b&amp;w/auto)</li><li>• Auto White Balance</li><li>• AGC - Automatic Gain Control</li><li>• Sharpness - sharper image outlines</li><li>• Motion Detection</li><li>• Detection of people smoking cigarettes</li><li>• High temperature indication</li></ul>
Power supply:	<ul style="list-style-type: none"><li>• PoE (802.3af),</li><li>• 12 V DC</li></ul>

Power consumption:	≤ 9 W
Housing:	Compact - Metal
Color:	White
"Index of Protection":	IP67
Operation temp:	-35 °C ... 65 °C
Weight:	1.47 kg
Dimensions:	327 x 115 x 109 mm
Supported languages:	Polish, Albanian, English, Arabic, Spanish, French, Hebrew, Dutch, Korean, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian
Manufacturer / Brand:	TIANDY
Guarantee:	<b>3 years</b>



Side view:



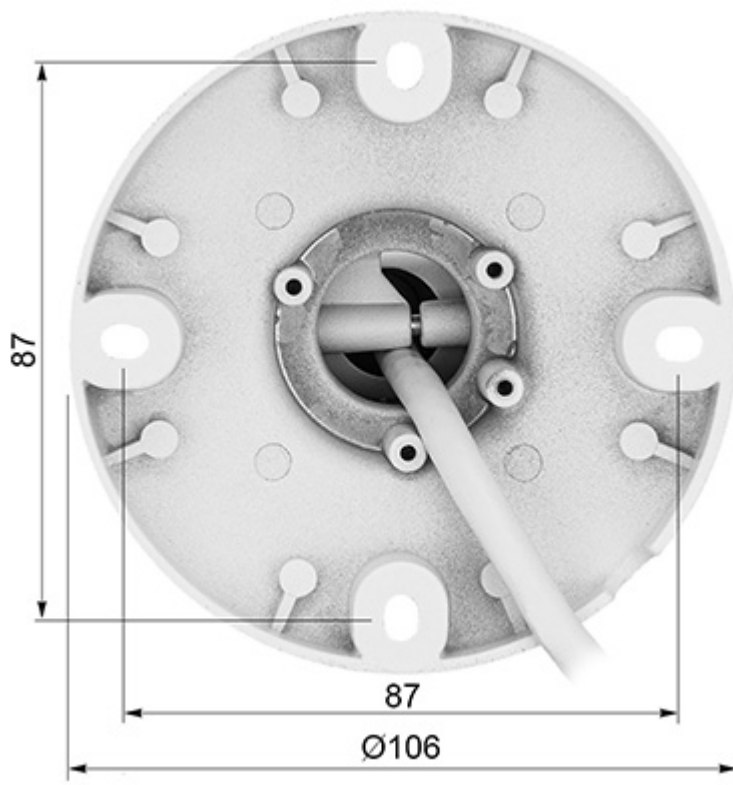
Bottom view:



Memory card slot and "Reset" button:



Mounting side view:



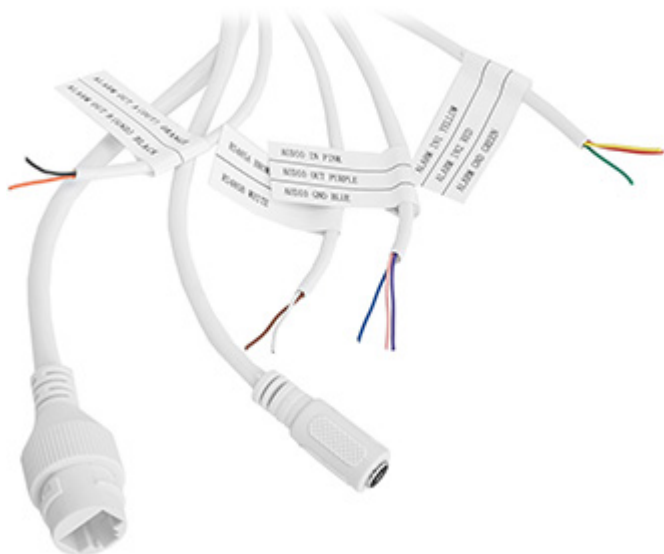
Camera connectors:



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In the kit:



# PACKAGE

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