

# DIY-Thermocam V2 Bill of Materials

Rev 2.3 from 30.12.2016

Part	Pcs	Link	Comment
FLIR Lepton Board	1	<a href="https://goo.gl/lbg3AT">https://goo.gl/lbg3AT</a>	Also available at <a href="https://goo.gl/UFWoQz">https://goo.gl/UFWoQz</a> Extract Lepton3 from FLIR One
FLIR Lepton	1	<a href="https://goo.gl/8sTff2">https://goo.gl/8sTff2</a>	
MLX90614-BCF	1	<a href="https://goo.gl/MgBEsz">https://goo.gl/MgBEsz</a>	
Pololu U3V12F5	1	<a href="https://goo.gl/c35ROs">https://goo.gl/c35ROs</a>	
Teensy 3.6	1	<a href="https://goo.gl/3IRLFm">https://goo.gl/3IRLFm</a>	
Lithium Battery	1	<a href="https://goo.gl/DsOV3j">https://goo.gl/DsOV3j</a>	
LCD Touch Display	1	<a href="https://goo.gl/IYV3sb">https://goo.gl/IYV3sb</a>	
MicroSD 8GB	1	<a href="https://goo.gl/dd3dmV">https://goo.gl/dd3dmV</a>	Any Class4 microSD <= 16GB works fine
Visual Camera	1	<a href="https://goo.gl/38ewXj">https://goo.gl/38ewXj</a>	
Lipo Charger & LED	1	<a href="https://goo.gl/mo8M4Z">https://goo.gl/mo8M4Z</a>	
Power Switch	1	<a href="https://goo.gl/FHkUB9">https://goo.gl/FHkUB9</a>	Choose a power switch of your desire
USB Switch	1	<a href="https://goo.gl/O91v1W">https://goo.gl/O91v1W</a>	Choose a USB switch of your desire
Button	1	<a href="https://goo.gl/Aco6in">https://goo.gl/Aco6in</a>	Choose a push button of your desire
Tripod Socket	1	<a href="https://goo.gl/vVh5Qa">https://goo.gl/vVh5Qa</a>	
SD Slot	1	<a href="https://goo.gl/WX0kZd">https://goo.gl/WX0kZd</a>	
Display Header	1	<a href="https://goo.gl/f5uYSN">https://goo.gl/f5uYSN</a>	
8-pin Female Header	1	<a href="https://goo.gl/wBamWb">https://goo.gl/wBamWb</a>	
Male Pin Header Strip	2	<a href="https://goo.gl/cV3QLs">https://goo.gl/cV3QLs</a>	
Resistor 4.7k	4		Standard 4.7K 0,6W TK50 1%
Resistor 10k	2		Standard 10K 0,6W TK50 1%
Coin Cell Holder	1	<a href="https://goo.gl/aLvl8o">https://goo.gl/aLvl8o</a>	
Coin Cell Battery	1	<a href="https://goo.gl/epCVL3">https://goo.gl/epCVL3</a>	CR1220 coin cell battery
Nut M2	5	<a href="https://goo.gl/S12Tiv">https://goo.gl/S12Tiv</a>	
Screw M2x8	5	<a href="https://goo.gl/0LmGmz">https://goo.gl/0LmGmz</a>	
Washer M2	3	<a href="https://goo.gl/bKtgku">https://goo.gl/bKtgku</a>	
Screw M2x10	6	<a href="https://goo.gl/F7ZK15">https://goo.gl/F7ZK15</a>	
Nut M2 Plastic	6	<a href="https://goo.gl/SBShqG">https://goo.gl/SBShqG</a>	
Distance M2x3	6	<a href="https://goo.gl/gFOk1J">https://goo.gl/gFOk1J</a>	
Distance M2x3.5	2	<a href="https://goo.gl/7ZOz6m">https://goo.gl/7ZOz6m</a>	
Bolt M2.5x11	4	<a href="https://goo.gl/63ssSb">https://goo.gl/63ssSb</a>	
Distance M2.5x11	4	<a href="https://goo.gl/6MBLwE">https://goo.gl/6MBLwE</a>	
Distance M2.5x5	4	<a href="https://goo.gl/Wiq41A">https://goo.gl/Wiq41A</a>	
Screw M2.5x6 Black	8	<a href="https://goo.gl/brhLfz">https://goo.gl/brhLfz</a>	

Additional items:

PCB (make from schematic), Enclosure (make from design files), Tripod  
Right-angle Micro USB Cable, microSD Adapter, Shrink Tubes, Small Wires, Tape