Comparison table

Several comparables of the **DIY-Thermocam V2** against a commercial thermal imager, in this case the **FLIR E6**.

Feature	DIY-Thermocam V2	FLIR E6
Image		
Costs	**~300€**	Starts at **2000€**
Thermal resolution	160 x 120	160 x 120
Thermal sensitivity	< 0.05° C (50 mK)	< 0.06° C (60 mK)
Thermal temp. range	-40° C to 200° C	-20° C to 250° C
Field-of-view (FOV)	56 deg HFOV, 71 deg diagonal	45 deg × 34 deg
Display	3.2" 320x240 with touch	3.0" 320x240 without touch
Spot sensor temp. range	-70° C to 380° C	-20° C to 250° C
Spot sensor temp. accuracy	0.5° C over wide range	±2 ° C or ±2%
Temp. measurement mode	Every position, multiple positions	Spot (center) mode
Image modes	IR image, visual image, combined	IR image, visual image. MSX
Color schemes	18 different color schemes	rainbow, iron, grayscale
Storage mode	Picture and video	Picture only
Storage capacity	8 GB internal storage	500 sets of images
File format	Standard BMP and raw data	Standard JPEG and raw data
Operation time	About 4-6 hours	About 4 hours
Weight	265g	575g