



## Offer „Thermocopter PI 640“

pos.	part description	Thermocopter PI 640
1	octocopter with gps, position hold, carefree, waypoint navigation and commercial license for 500m distance (ARF almost – ready – to – fly)	x
2	ir-camera optris PI 640 (640x480 pixel) 24Hz	x
5	camera mount (gimbal)2-axis with brushlessmotor for optris PI 640	x
6	rc transmitter Graupner MX20 with 2 battery	x
7	rc receiver Graupner GR 24	x
8	rc transmitterFutaba T14SG included receiver for the 2. man (control camera mount)	optional
9	case for Graupner MX20	x
10	special mini PC	x
12	10.2" video ground station (800 nits sunlight resistant)	x
13	5,8 GHz transmitter (500 mW)	x
14	5,8 GHz diversity receiver	x
15	1 x 5,8 GHz 2,5dBi FPV antennas	x
16	1 x 5,8 GHz 12dBi FPV antennas	x
17	Tripod for video ground station	x
18	3 x battery charger and 1 x power suply	x
19	10 x 4S lipo battery 5000mah	x
20	3 x balancer cable and 3 charger cable for each two packs	x
21	1 x liposafer	x
22	1 x analyzer for lipo battery	x
23	3 lipo saver	x
24	1 x Y-cable parallel	x



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25	1 x SSD 128 GB	x
26	1 x optris software	x
27	1 x transpot case for copter	x
28	1 x GoPro Hero 4	x
29	1 x micro sd card 64 GB	x
only 2-axis Cameramount with IR camera, special PC, DC camera		€ 13.300,00
complete kit		€ 29.800,00

The offer is calculated without TAX





### Technical parameter off special miniPC

Processor	Intel® Atom™ Z530 (1,6 GHz)
Operating System	Windows XP Professional
Memory	2 GB RAM - soldered against shock and vibration
Graphics	Intel® GMA 500 Graphics (up to 1.920 x 1.080 Px)
HDD	128 GB 2,5" SSD
Interfaces	4x USB 2.0, 1x RS232, DVI
Housing	closed housing made of aluminum
Operating Temperature	0°C to 70°C (-40°C to +85°C optional)
Power Supply	Input: 100-240V, 50-60 Hz, 0,5A // Output: 12V, 1,5A, 18W
Power consumption	about 10 Watt (S0)
Dimensions (WxHxD)	115 x 27 x 101 mm (0,3 Liter Volumen)
Weight	300 grams



## Technical parameter off optris PI 640

Optical resolution	640 x 480 pixel
Detector	FPA, uncooled (17µm x 17µm)
Spectral range	7,5 – 13 µm
Temperature ranges	-20...100°C, 0...250°C, 150...900°C
Frame rate	32 Hz
Thermal sensitivity (NETD)	75 mK
Accuracy	±2°C or ±2%, whichever is greater
PC interface	USB 2.0
Process interface (PIF), standard	0-10V input, digital input (max. 24V), 0-10V output
Process interface (PIF), industrial	2x 0-10V inputs, digital input (max. 24V), 3x 0-10V outputs, 3x relay (0-30V/ 400mA), fail safe relay
Ambient temperature	0...50°C
Storage temperature	-40...70°C
Relative humidity	20-80%, non condensing
Enclosure (size/ rating)	46mm x 56mm x 90mm/ IP 67 (NEMA 4)
Weight	320g, incl. lens