



Technical Data ZEISS DTI 1, DTI 3 GEN 2, DTI 4

Models	DTI 1		DTI 3 GEN 2		DTI 4		DTI 6	
Focal Range in mm / aperture	19/F1.0	25/F1.0	25/F1.0	35/F1.0	35/F1.0	50/F1.0	20/F1.0	40/F1.0
Resolution sensor in pixel	384 x 288		384 x 288		640 x 512		640 x 480	
Sensor Pitch in mikron	12		17		12		12	
NETD	≤35 mK		≤35 mK		≤25 mK		≤35 mK	
Frame rate	50 Hz		50 Hz		50 Hz		50 Hz	
Resolution of display in pixel	1280 x 960		1024 x 768		1024 x 768		1024 x 768	
Display type	LCOS		AMOLED		AMOLED		AMOLED	
Range in m	1000m	1320m	930m	1300m	1845m	2635m	1000m	2000m
Field of view Objective in m at 100m	24m	18m	26m	19m	22m	15m	38m	19m
Field of view lens side in ° (horizontal x vertical)	14° x 10°	11° x 8°	15° x 11°	11° x 8°	12.5° x 10°	9° x 7°	22° x 16°	11° x 8.2°
Optical magnification	1.8x	2.5x	1.7x	2.4x	2.0x	2.9x	1.5x	3.0x
Maximum digital zoom	4x		4x		4x		10x	
Zoom steps	In 0,5x steps: 1.0x – 4.0x		In 0,5x steps: 1.0x – 4.0x		In 0,5x steps: 1.0x – 4.0x		In 0,1 steps: 0.1x – 1.0x	
Interfaces	USB: Charging + Data WLAN: Data		USB: Charging + Data WLAN: Data		USB: Charging + Data WLAN: Data		USB: Charging + Data transfer WLAN: Data transfer Bluetooth: Data transfer	
Battery type	Li-Ion		Li-Ion		Li-Ion		Li-Ion	
Battery run time	6,5h		8h		7h		6h	
External power supply	5V/2A		5V/2A		5V/2A		5V / 3A, 9V / 2A, 12V / 1.5A	
Internal storage	8GB		32GB		32GB		16GB	
Video / Photo / Livestream	yes		yes		yes		yes	
WLAN Frequency	2.4 GHz		2.4 GHz		2.4 GHz		2.4 GHz	
Connection to other devices	ZEISS Hunting App or USB		ZEISS Hunting App or USB		ZEISS Hunting App or USB		ZEISS Hunting App or USB	
IP protection class	IP 65		IP 66		IP 66		IP 66	
Operating temperature	-10°C to +50°C		-10°C to +50°C		-10°C to +50°C		- 20 °C / +50 °C	
Length* width* height	175mm x 57mm x 62mm	175mm x 57mm x 62mm	187mm x 60mm x 65mm	193mm x 60mm x 65mm	193mm x 60mm x 65mm	206mm x 60mm x 65mm	230mm x 62mm x 68mm	228mm x 69mm x 73mm
Weight	360 g	360 g	410 g	420 g	430 g	470 g	690g	755g

Subject to changes in design and scope of delivery, as a result of ongoing technical development.

For further product information visit www.zeiss.com/nature/thermal-imaging-cameras