

UNI-T Handheld Thermal Monocular Comparison

Model No.	UTx210W	UTx313	UTx318	UTx325	UTx313M	UTx318M	UTx325M	UTx625M	UTx635M	UTx313MR	UTx318MR	UTx325MR
Technical Data												
Display	0.23" OLED (640×400)	0.4" LCOS (1280×960)			0.39" OLED (1024×768)							
IR resolution(Pixels)	256×192	384×288			400×300			640×512		400×300		
Spectral range	8~14μm											
Pixel size	12μm											
Frame rate	≤50Hz											
Thermal sensitivity(NETD)	≤35mK	≤40mK			≤25mK							
Focus	Focus free	Manual focus										
Lens focal length	10mm	13.5mm	18mm	25mm	13mm	18mm	25mm	25mm	35mm	13mm	18mm	25mm
Field of view(FOV) (H) x (V)	17.5° × 13.1°	20.3° x 15.2°	14.6° × 11°	10.5° x 7.9°	20° × 15°	14.6° × 11°	10.5° x 7.9°	17.4° x 14°	12.5° x 10°	20° × 15°	14.6° × 11°	10.5° x 7.9°
Eyepiece relief distance	19.9mm	—			18mm							
Diopter adjustment	-5D~+5D	-5D~+3D			-4D~+5D					-5D~+3D		
Functions												
Color palettes	Black hot, White hot, Hottest, Ironbow, Rainbow											
Digital zoom	2x, 4x, 8x / 1.0~8x cont	2x, 4x / 1.0~4x continuous			2x, 4x, 8x / 1.0~8x continuous							
Scene modes	Bird, Forest, Rock	—			Bird, Forest, Rock							
Calibration modes	Auto, Manual, Background											
Distance measurement	Stadiametric ranging	—			Stadiametric ranging					Laser ranging		
Smart standby	—	—			√							
Hot trace	√	√			√							
E-Compass	—	—			√							
PIP	√	—			√							
Video recording	√	—			√							
Photo viewing	Device Local, PC, APP	Device Local & PC			Device Local, PC, APP							
Wi-Fi live streaming	√	—			√							
Wi-Fi download photo	√	—			√							

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Functions (continued)												
Video output	Type-C interface	MCX interface			Type-C interface							
Analysis software	APP (Android & iOS)	—			APP (Android & iOS)							
General Characteristics												
Battery	4000mAh rechargeable Li-ion battery				3200mAh detachable Li-ion battery (UT-M20)					3250mAh detachable Li-ion battery (UT-M21)		
Operating time	≥6 hours	≥8 hours			≥4 hours			≥3.5 hours		≥4 hours		
USB	Type-C											
Storage	Built-in 16GB											
Image storage format	PNG											
Video storage format	MP4	—			MP4							
Protection	IP67 & 2m drop proof											
Certificates	CE, FCC, RoHS	UL, CE, UKCA, RoHS			EAC, CE, FCC, RoHS, FDA					UL, CE, FCC, RoHS		
Languages	EN, FR, DE, ES, IT, RU, UA	Chinese, EN			EN, FR, DE, ES, IT, RU, UA							
Weight	410g (Inc. battery)	428g			357g (Inc. battery)			364g (Inc. battery)				
Dimension	185.5mm×63.7mm×62mm	207.6mm×62mm×62mm			160mm×71.5mm×38.5mm					159mm×70mm×70mm		

