Specifications

Product model	TD210	TD410	TD420	TD430
Infrared Detector				
Detector type	VOx			
Detector resolution	256 × 192, 12 µm	400 × 300, 12 µm		
Spectral range	8 to 14 µm			
NETD	≤50mk			
Frame rate	50 Hz			
Lens				
Focal length	10 mm; F1.0	19 mm; F1.0	25 mm; F1.1	35 mm; F1.0
Focus	Electric	Manual		
Field of view	17.1°×13.0°	13.6°×10.3°	10.4°×7.9°	7.5°×5.6°
Optical zoom	1.5x	1.9x	2.4x	3.4x
Digital zoom	1x, 2x	1x, 2x and 4x		
Power				
Battery type	Single, replaceable 18650 battery			
Battery life	≥ 8 hours	≥ 7 hours		
Interface				
USB	Type C (USB 2.0 standard), supporting analog video and power supply			
Video interface	USB Type C			
External expansion	External Display and Bluetooth remote control			
Mechanical interface	UNC ¼ "-20 (Tripod mounting), Mechanical expansion interface			
Display				
Display type	0.4" FLCOS			
Resolution	1280 × 960			
Eyepiece	Monocular, exit pupil distance≥12 mm, diopter adjustment: -4 to＋2			
Eyepiece zoom	13.8x			
Video output	Analog video			
Functions				
PIP	Upper left, Upper middle, Upper right, Closed			
Image enhancement	Supported only when there is no laser indicator			
Scene modes	Enhanced, Highlight and Natural			
Ultra power saving mode	Turn WIFI off or reduce the screen brightness level			
WIFI	Transmission of real-time video via WIFI for remote control in the 2.4G frequency band and within 15 meters			
Color palettes	Black Hot, White Hot, Red Hot, Iron Hot, Blue Hot			
Hot spot tracking	Available			
Compensation modes	Automatic, shutter and scene compensation			
Laser	Supported only when a laser indicator is available, up to 200 m			
System				
Language settings	Chinese or English			
Start up	1 s	2 s		
Environmental				
Storage temperature range	-30 °C to 60 °C			
Humidity	10 % to 95 % non-condensing			
Shock	30 G at 11 ms half sine pulse (as per IEC60068-2-27)			
Vibration	10 Hz~150 Hz~10 Hz 0.15 mm (as per IEC60068-2-6)			
Drop	1 m			
Encapsulation	IP66			
Certification	IP66, FCC, CE, RoHS, EAC, WEEE, un38.3, IEC 60825-1 Class 2			
Physical				
Weight	≤280 g	≤350 g		
Size (L × W × H)	130 × 40 × 70 mm	150 × 40 × 70 mm		
Standard	Battery charger (for China, US, UK, Australia and Europe and in compliance with FCC, CE, EAC and RoHS), single 18650 battery, USB Type C cable, lens cap, wrist strap, carry bag, quick start guide			
Optional	Extended bracket			