

PACECAT



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## Product parameters

Max Measurement Distance	Speed Measurement Mode: 600-700m	Distance Mode: 1200m
Min Measurement Distance	Speed Mode	no larger than 10m
	Weather Mode	60 m (Auto Software Identification)
Best Focus Distance	70m (230 feet)	
Distance Range	Hand-Held	15 – 90 m (50 – 295 feet)
	Tripod	15 – 100 m(50 – 328 feet)
Speed Measurement Accuracy	± 2 km/h	
	± 1 mile/h	
Ranging Scope	0 km/h to 320 km/h	
	0 mile/h to 200 mile/h	
Ranging Accuracy	±30 cm	
	± 12 inch	
Display Resolution	Speed	1km/h 1 mile/h
	Distance	1 m 1 feet
Speed Measurement Time	0.33-0.67	
Measurement Unit(Factory Default)	Speed	km/h
		mile/h
		m/s
	Distance	m
		feet
		yard
Laser Wave Length	905 nm	
Laser Beam Divergence	2.5 mrd	

Human Eyes Safety	Class 3R	
Mechanical Structure :		
Body		
Weight	1.55kg	
Size	197*124*316 mm	
Environment	IP65	
	Water and Dust Resistant	
Temperature Ranger	Operation	-10°C to +60° C (14°F to 140°F)
	Charging	0°C to +45°C (32°F to +113°F)
	Storage	-20° C to +60°C (-4°F to 140°F)
Hardware:		
CPU	ARM	DM368
Snap Data Storage	Pluggable SD Card	16 GB
SD File System Format	MS-DOS (FAT16, FAT32)	
	Linux (EXT2, EXT3)	
Display	4.3 inch (10.9 cm), 480×272 pixel, Colorful, Touch Screen	
Camera	2.0 pixels (1600×1200)	
Camera Lens	75mm, Fixed Focus	
GPS	Receive	Channel:20
	Max Refresh Rate	1 Hz
	Max Altitude	18,000 m (59,000 feet)
	Max Speed	515 m/s (1689 ft/sec)
	Sensitivity	Acquisition:-142 dBm
		Tracking: -159 dBm
	Acquisition Time	Warm Start: 1S
	Cold Start	< 60 s
	Re-acquisition	< 1.5 s
	Accuracy	Horizontal
	Average	5m (7.2feet)
	Max	10m (32.8 feet), Self-Initiated
		5 m (16.4 feet), SBAS Modified
	Vertical	

	Max	15 m (49.2 feet)
	Horizontal Speed	0.1 m/s (0.3 feet/s)
	Time Accuracy	Synchronous with GPS:1mcs
Real-time Clock	CR3032 Backup Battery	20 PPM
		3 years of life without battery
Input / Output (I/O)	RS232, Serial Communication Port	
	USB 2.0, Pictures Data Transfer	
	Resistance Touch Screen Input	
	6 Buttons Input (including trigger)	
Power:		
Batteries	7.4 v DC, Lithium polymer chargeable batteries, overcharge protection, up to 5-8 hrs of operation	
Battery Charger	Charger:110 v ac to 240 v ac 50/60 Hz input	
Vehicle Charger	No	
Power Consumption	5w	
Software:		
Operating System	Linux, customized device drivers	
Anti-interference	Auto Anti-interference	
Video Size	Standard Format	640*480/13FPS
Static Picture Size	1600×1200 pixels	
Max Record Size	No limit, subject to internal storage	
Data Encryption	AES-128	
Other:		
Measurement Mode:	Continuous Shooting, Lock Mode, Auto Mode, Video Tracking, Rangefinder Mode, Video Mode	
Voice Prompt:	Speed synchronous with voice	
Language:	English, Chinese	
Warranty:	18 months	