CAT® S60

WITH INTEGRATED THERMAL IMAGING

POWERED BY ◆FLIR®

CAT®

13 MEGAPIXEL

THERMAL IMAGING

5M WATER RESISTANT

CAT®

2M
5M

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POWERED BY ◆FLIR®

THERMAL IMAGING
Fully Integrated

MOST WATERPROOF
to 5M for 1 Hour

WORLD FIRST FEATURES • WORLD FIRST FEATURES •
1ST

THERMAL CAMERA
Displays a live thermal image, measures surface temperatures and can capture both still images and video. Plus see through obscurants such as smoke.

WATERPROOF TO DEPTHS OF 5M FOR 1 HOUR
Further pushing the boundaries of mobile technology this smartphone can also capture still images and video underwater.

EXTREMELY TOUGH AND ROBUST
Exceeds military spec, is built to withstand drops onto concrete from up to 1.8M.

SUPER-BRIGHT DISPLAY
Can be viewed outside in bright sunlight.

WET FINGER & GLOVE-ON WORKING TECHNOLOGY
It is also protected by the latest Corning® Gorilla® Glass 4.

CAT® S60 SPECIFICATIONS:

- Strengthened die cast frame
- Drop proof to 1.8M, MIL Spec 810G
- Super bright display (typical 540 nits), Gorilla Glass 4
- 4.7" HD capacitive multi-touch with auto wet finger & glove support
- Optimised battery performance (3800mAh)
- High quality audio experience (>105dB)
- Underwater 13MP main camera with dual flash, 5MP front-facing camera
- 4G LTE
- Snapdragon Octa-core processor
- 32GB ROM, 3GB RAM
- Android™ Marshmallow

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Form Factor	Bar Type	
Band	EU SKU	LTE CAT 4 Band 1/3/7/8/20
	(BT52/DS)	HSDPA/WCDMA Band 850/900/2100
		GSM/GPRS/EDGE Quad-Band 850/900/1800/1900
	US SKU	LTE CAT 4 Band 2/4/5/7/12/17 (MFBI 12/17)
	(BT53/SS)	HSDPA/WCDMA Band 850/1900/AWS w/diversity
		GSM/GPRS/EDGE Quad-Band 850/900/1800/1900
Platform	Qualcomm MSM8952-3 4x1.5GHz + 4x1.2GHz	
OS	Google **Android™** Marshmallow	
Dimensions	Target: 73.4 x 147.9 x 12.6mm (4.7" invisible screw) CEI proposal: 73.4 x 147.9 x 12.95mm	
Display	4.7" HD, a-Si AHVA, direct bonding, Gorilla® 4, Capacitive Multi-Touch, Wet Finger/Glove auto switch support, Sunlight readability (typ. 500/min. 450 nits), AF coating (anti-finger print)	
Camera	Main 13M AF + **Thermal Camera** w. Dual LED Flash + Front 5M AF	
Connectivity	GPS/aGPS/Glonass/Beidou, Stereo BT4.1, 802.11 b/g/n (2.4G), NFC (paring/sharing/payment-google wallet), OTG, FM Radio	
Memory	32GB ROM / **3 GB RAM**	
I/O	Waterproof Micro-USB 2.0 w/ bung, Nano SIM (4FF), 3.5mm audio Jack , Micro SD (up to 128GB)	
Sensor	P + L Sensor, G-Sensor, E-compass, Barometer, Altimeter, Water detect function	
Audio	1 x loud speaker (front facing and waterproof, Smart Amp), 2 x MIC, 1 x receiver (6x15, waterproof) ,Vibrator	
Hard Key (Dome keys)	Side : power key, volume down/up, programmable key, Front : Home, back, Recent App (Symbols in Luminance paint)	
Battery	**3800mAh (typ.)**, **Quick Charge 2.0**, charging adaptor, charging pad (2 pin)	
Other	Dual SIM (EU), LED notification (3 colors), **Waterproof (underwater 5M/1hour - ME design)**, 1.8M drop, MIL-STD-810G, Appland, AVG, Swiftkey, Redbend, Tweaker, Office Suite, SD/File Manager, Lucid, Zello PTT support, HAC M3/T3, TTY, WEA/CMAS, LBS, MDM-AFW	

Specifications and product details are subject to change

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MyFLIR data sheet

Camera module		
Thermal and visual cameras with MSX		
Thermal sensor	17µm pixel size, 8 – 14 µm spectral range	
Thermal resolution	80x60	
Visual resolution	640x480	
HFOV / VFOV	46° ± 1° / 35° ± 1°	
Frame rate	8.7Hz	
Focus	Fixed 15cm - Infinity	
Built in shutter	Automatic/Manual	
Radiometry		
Scene dynamic range	-20 °C – 120 °C	
Accuracy	±5°C or ±5% Percent of the difference between ambient and scene temperature. Applicable 60s after start-up when the unit is within 15 °C – 35 °C and the scene is within 10 °C – 120 °C.	
Thermal sensitivity (MRDT)	150mK	
MyFLIR		
Feature	*Standard*	*Pro*
Live Image	Thermal (MSX)	
Save Image	Thermal (MSX) as jpeg	Thermal (MSX) and visual as radiometric jpeg
Save video (mpeg)	Thermal (MSX) as mpeg	
Swipe to VIS	No	Yes
Palettes	Iron, Black hot, White hot	Iron, Black hot, White hot, Rainbow, Contrast, Arctic, Lava, Coldest, Hottest
IR Scale	Automatic, Lockable min/max, Editable min/max	
Thermal Image Analytics	- Central spot meter - Whole image ROI	- Up to three movable spot meters - Whole image ROI - Editable in saved images
Emissivity settings	Matte: 95%, Semi-Matte: 80%, Semi-Glossy: 60%, Glossy: 30%	
Timer	Off, 3s, 10s	
Time lapse video recording	Delay time, Frame interval, Playback rate	
Panorama	No	Yes
GPS Location is saved in image	Yes	
Export to other FLIR Reporting software	No	Yes
User alignment	Yes	