



LCIE SUD EST
 Laboratoire de Moirans
 Z.I. Centr'Alp
 170, Rue de Chatagnon
 38430 MOIRANS - FRANCE


LCIE

GENERAL INFORMATION

FCCID: 2ASLI-TIKEEM01

1.1. Product description



Version	
Weight	1 kg
Dimensions	 125 x 125 x 70 mm
Cameras	1 camera module for wide angle photos Image sensor : Sony 12 Mpx Lens : Wide angle lenses DFOV 149°/HFOV 124°, aperture F2.8 Full resolution image size : 4032 x 3024 Sensor size : 1/2,3 Pixel size : 1,55µm
Weatherproof	IP 66 : Designed for extended outdoor use (resistant to sand, snow, rain, etc.) Weatherproof connector for additional solar panel if required Operating temperature : -10 / + 50 °C Storage temperature : -25 / + 60 °C
Storage	MicroSD card (not included) - Up to 1 TB
Battery and solar panel	Built-in Li-Ion battery – 25800 mAh
Charge	USB-C 5V / 3A max. External waterproof connector 5V/2A max.
Wireless upload	Periodic or «Always-On» connectivity over 4G/LTE (telecom subscription and sim card not provided) Periodic connectivity over wifi Resolution of images sent to the web application : selectable from 3 dimensions (in pixels) : Small (S) - 2048 x 1536 per image, approx. 0,5 MB per image Medium (M) - 2664 x 1998 pixels per image, approx. 1,25 MB per image Large (L) - 4032 x 3024 pixels per image, approx. 2,5MB per image
Live stream	Single-lens video stream - 60sec Ratio 4:3 Frame rate 30 fps Adaptive bitrate (requires a 4G/LTE connection, activation of the Always ON feature and a myTikee subscription plan)
Photo & video snapshots	On-demand triggering of photos or videos (requires a 4G/LTE connection and activation of the Always ON feature)
Video rendering	Up to 4K, available as part of a myTikee subscription plan
Pictures format	Jpeg DNG Jpeg + DNG
Picture Interval	Long term sequence : 30 seconds minimum Event or Burst sequence : 5 seconds minimum User-defined or brightness-dependent schedules



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Adaptative Interval	Mode that automatically adjusts the shooting interval to optimize energy consumption
Upload Mode	<p>Normal mode : send a batch of photos (25 photos by default, configurable) Minimal mode : send one photo, once a day at a set time Sample mode : samples of photos sent, sends one photo out of N (configurable value)</p> <p>The camera's operating status are sent with each connection. Note : The selected mode, capture settings, and network quality may significantly impact the camera's energy consumption.</p>
Geolocation	Embedded GPS (A-GPS technology) <i>(requires a 4G/LTE connection)</i>
Wireless data settings	Bluetooth Low Energy IOS and Android compatible mobile application Minimum smartphone compatibility: Bluetooth 4.1 / Android 8 / IOS 11
Secure Tikee Installation	Metal insert for attaching a padlock
Fixation mounting	Standard ¼" camera screw
Embedded software update	<p>Near the camera : from the SD card, from the wifi or 4G/LTE network Remotely : from the myTikee web platform with Always ON functionality <i>(requires a 4G/LTE connection and activation of the Always ON feature)</i></p>
4G LTE modem compatibility	<p>4G/LTE global compatibility</p> <p>LTE-FDD: B1/B2/B3/B4/B5/B7/ B8/B12/B13/B18/B19/ B20/B25/B26/ B28/B66 LTE-TDD: B34/B38/B39/ B40/B41</p>



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1.2. Tested System Details

Equipment under test (EUT):

Model under test:	Tikee mini
Serial Number:	M-MIN-0A-001105 / M-MIN-0A-001090
Dimensions:	12.5cm x 13cm x 7cm (Length x Width x Height)
Type:	Table-Top

Power supply:

Name	Type	Rating	Reference / Sn	Comments
Supply1	Battery	3.6Vdc [2.5Vdc-4.2Vdc]	/	Internal battery charged by USB-C or proprietary connector
Supply2	AC	100-240V/50-60Hz	SAMSUNG EP-TA200	USB-C, No provided by manufacturer
Supply3	AC	100-240V/50-60Hz	Intertek MX15Z-0502500VX E467127	Proprietary, No provided by manufacturer

Inputs/outputs - Cable:

Access	Type	Length used (m)	Declared <3m	Shielded	Under test	Comments
Supply1	Internal Battery	/	/	/	/	/
Supply2	USB-C: Samsung SMPS, only supply access for user other than debug	2	Yes	Yes	Yes	No provided by manufacturer
Supply3	Proprietary connector: Intertek SMPS (solar panel possible)	2	Yes	No	Yes	No provided by manufacturer
Access1	µSD connector	/	NA	NA	NA	/
Access2	SIM connector	/	NA	NA	NA	/

NC: Not communicated by provider

Auxiliary equipment used during test:

Type	Reference	Sn	Comments
ASUS Router	-	-	-
Laptop	LENOVO	-	-



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Equipment information (declaration of provider):

WiFi				
Chipset / RF Module	Ampak AP6256			
Frequency band:	[2400 – 2483.5] MHz			
Standard:	<input checked="" type="checkbox"/> 802.11b	<input checked="" type="checkbox"/> 802.11g	<input checked="" type="checkbox"/> 802.11n HT20	<input type="checkbox"/> 802.11n HT40
Spectrum Modulation:	DSSS	OFDM		
Number of Channel:	11 max (see channel plan)			
Spacing channel:	5MHz			
Channel bandwidth:	20MHz			
Antenna Type:	Internal			
Antenna connector:	Temporary for tests			
Antenna requirements §15.203	The transmitter uses an integral antenna and it permanently connected			
Transmit chains:	1			
Beamforming gain:	No			
Receiver chains	1			
Ad-Hoc mode:	No			

1.3. Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 or/and ANSI C63.10, FCC Part 15 SubPart 15B and 15C.

Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

1.4. Test facility

Tests have been performed: **July 02, 2024 to July 18, 2024**

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4 or/and ANSI C63.10.

This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55032/CISPR32 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.