



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

GENERAL INFORMATION

FCCID: 2ASLI-TIKEE001

1.1. Product description



	Tikee 750€	TikeePRO 900€
Price excluding taxes		
Size & Weight	Width : 210mm / Depth : 180mm / Height : 70mm Weigh : 1.28 kg	
Cameras	Two cameras modules for panoramic pictures Image sensors : Sony Exmor R Lenses : F2.8 wide angle lenses HFOV : 149° Max sensor resolution : 16 Mpx Image in full resolution per sensor : 4608 x 3456 Sensor size : 1 / 2,3	
Operating requirements	Weatherproof : IP 54 Operating temperature : -10 / + 50° C Storage temperature : -25 / +60°C	
Storage	Micro SD Card (not included) Up to 128 GB	
Battery & Solar Power	1 picture every 15 minutes 24h/7 without any sun : Up to 10 days of battery (with picture upload to the cloud) Up to 30 days of battery (without upload) Built-in LiFePo4 battery Solar panel : 4.1 Wp monocrystalline	
Charging	Micro USB 5V / 1,5A max.	
Wireless pictures upload to Enlaps web app	Wifi	Wifi 4G LTE - Europe & RoW / 4G LTE - USA & Canada
Tikee settings with mobile app	Bluetooth Low Energy Mobile app compatibility : IOS and Android	
Locking features	Stainless steel padlock insert	Stainless steel padlock insert
Pictures format	Jpeg	Jpeg DNG
Mounting system	¼" standard thread	



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tikee PRO2



Dimensions	210 x 180 x 70 mm – 1.2 kg
Photo	2 camera modules for panoramic photos Image Sensors: Sony Exmor R 16 Mpx Lenses: F2.8 wide angle lenses HFOV: 149 ° Maximum resolution of the sensors: 16 Mpx Full resolution image size (per sensor): 4608 x 3456 Size of the sensors: 1 / 2,3
Resistance	Designed for extended outdoor use (resistant to sand, snow, rain, etc.) Operating temperature: -10 / + 50 ° C Storage temperature: -25 / + 60 ° C
Storage	microSD card (not included) Up to 128 GB
Battery	Built-in LiFePo4 battery - 12800 mAh Solar Panel: 4.1 Wp Monocrystalline Totally self-contained, depending on installation condition and setup Indicative data without solar input: for 1 photo every 15 minutes 24h / 24: - with image upload: 10 days of autonomy - without image upload: 30 days of autonomy
Format	JPEG or DNG
Security	Metal insert for a padlock
Data sent	Wifi or 4G LTE Sent only in JPEG: Resolution of the left and right images sent to the web application (in pixels): 2664 x 1998 pixels per image, approx. 2.5 MB per pair (panoramic image after fusion: 4260 x 1534)

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tikeo PRO2+



Dimensions	210 x 180 x 70 mm – 1.2 kg
Photo	2 camera modules for panoramic photos Image Sensors: Sony Exmor R 16 Mpx Lenses: F2.8 wide angle lenses HFOV: 149 ° Maximum resolution of the sensors: 16 Mpx Full resolution image size (per sensor): 4608 x 3456 Size of the sensors: 1/2,3
Resistance	Designed for extended outdoor use (resistant to sand, snow, rain, etc.) Rotating and tilting arm of solar panel made with anodized aluminum Magnetic closure of the solar panel Operating temperature: -10 / + 50 ° C Storage temperature: -25 / + 60 ° C
Storage	microSD card (not included) Up to 512 GB
Battery	Built-in Li-Ion battery - 24000 mAh Solar Panel: 4.1 Wp Monocrystalline Totally self-contained, depending on installation condition and setup Indicative data without solar input: for 1 photo every 15 minutes 24h / 24: - with image upload: 20 days of autonomy - without image upload: 60 days of autonomy
Format	JPEG or DNG
Security	Metal insert for a padlock Integrated GPS Alerts by email in case of moving
Data sent	Wifi or 4G LTE Sent only in JPEG: Resolution of left and right images sent to the web application: selectable from 3 dimensions (in pixels): 1. 2048 x 1536 per image, approx. 1 MB per pair (panoramic image after fusion: 3280 x 1180) 2. 2664 x 1998 pixels per image, approx. 2.5 MB per pair (panoramic image after fusion: 4260 x 1534) 3. 4608 x 3456 pixels per image, approx. 5MB per pair (panoramic image after fusion: 7360 x 2650)

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Data sheet of equipment



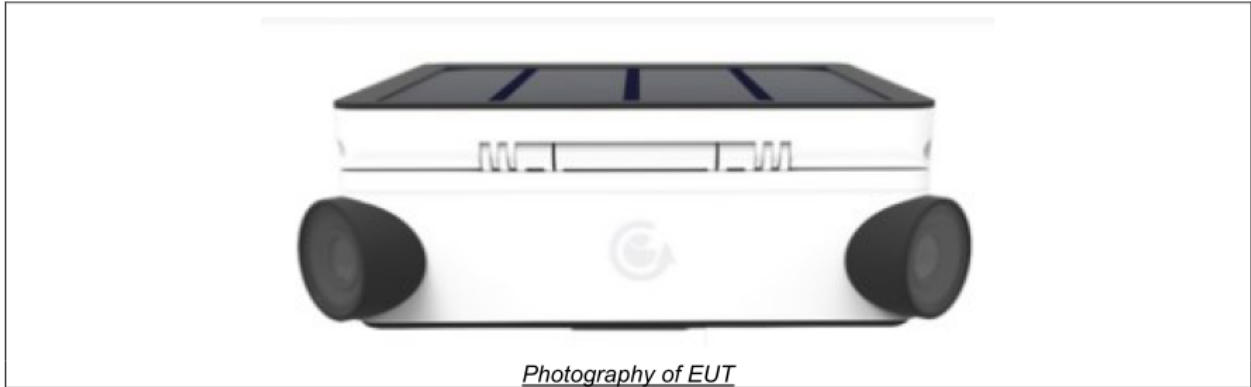
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1.2. Tested System Details

Tikee PRO

Serial Number: T-PRO-OG-200632
 T-PRO-OG-200484



Power supply:

During all the tests, EUT is supplied by V_{nom} : 3.3VDC (on Battery)
 For measurement with different voltage, it will be presented in test method.

Name	Type	Rating	Reference / Sn	Comments
Supply1	<input type="checkbox"/> AC <input checked="" type="checkbox"/> DC <input type="checkbox"/> Battery	100-240/50-60Hz	Apple A1400	only for charging mode not provided with DUT
Supply2	<input type="checkbox"/> AC <input type="checkbox"/> DC <input checked="" type="checkbox"/> Battery	LeFePo4 3.3V/12.8Ah	REF : TY1865-1S8P-01A	battery

Inputs/outputs - Cable:

Access	Type	Length used (m)	Declared <3m	Shielded	Under test	Comments
Supply1	µUSB – used for charging mode	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Auxiliary equipment used during test:

Type	Reference	Sn	Comments
Laptop	Lenovo L450	PF0D29NW	/

CHANNEL PLAN	
802.11b / 802.11g / 802.11n HT20	
Channel	Frequency (MHz)
Cmin: 1	2412
2	2417
3	2422
4	2427
5	2432
Cmid: 6	2437
7	2442
8	2447
9	2452
10	2457
Cmax: 11	2462



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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: **October 8, 2019 to October 29, 2019**

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.