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Titan Pad

User Manual

Infisense Technology Co., Ltd.

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The products described in this specification are for sale and use in China's Mainland only. This specification is for guidance purposes. The photographs, graphics, diagrams, and illustrations provided in the specification are for explanatory and illustrative purposes only and may differ from the specific product. Actual products may vary due to product enhancement or change. While the Company does its utmost to ensure the accuracy of content in this specification, while it makes no explicit or implicit claims or guarantees on this specification.

InfiSense may update this manual as a result of product upgrades or other needs. For the latest manual, please contact InfiSense Technology. InfiSense suggests you use this manual under the guidance of professionals.

Contents

1.　Product Overview

1.1.　Product Overview

Titan Pad is a powerful tablet computer, the device is equipped with Arrow InfiRay's world-renowned high-definition vanadium oxide thermal imaging core, with MT8766, 4 cores, 2.0GHz, 12nm CPU processor, with 15mm telephoto adjustable alloy lens; At the same time, it integrates the self-developed Falcon image chip, 384*288 HD resolution, and the fourth-generation MATRIX IV. exclusive image algorithm, which makes the field of vision clearer, the picture quality sharper, and the handheld office more convenient; Using 60Hz high frame rate output, watching video images is smoother; All-alloy body, sturdy and durable. Users can work and play anytime and anywhere, as well as take photos and videos with high-definition features

1.2.　Specifications

Detector	
Resolution	384*288
Pixel Pitch	12um
NETD	≤25mK
Operating Band	8～14um
Performance	
Frame Rate	60Hz
Operating Temperature	-20℃～60℃
Storage Temperature	-40℃～85℃
Typical Power Consumption	480mw
Processor	Self-developed LY ASIC chip
Lens	
Focal Length	15mm

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Aperture	F1.0
FOV	17.25°x13.04°
Focusing	Manual focusing
Temperature Measurement Performance	
Measurement Range	0~100°C
Temperature Correction	Distance, ambient temperature, and emissivity
Shell	
Dimensions	26.2*26.2*31.5(mm)
Color	Gray
Weight	＜30g
Interface	USB type C

Titan Pad

Model	XK550
OS	Android 9
Size	142.8*76*14.2
CPU	MT8766, 4Core,2.0GHz,12nm
Memroy	LPDDR4X 1+8(compatible with 2+16)
Wireless Connectivity	
WLAN	802.11 b/g/n
BT	BT 5 / BLE
Physical Specifications	
LCD	5 Inch
Keypad	Power Key
Battery	2700mAh,non-removable
Charging IO	USB type-C

Note: The parameters are updated on August 16, 2023, and are subject to change without notice.

Note: The above temperature measurement parameters are obtained in the laboratory environment.

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2. Preparations

2.1. Software Downloading

You can log in to the official website through the link wireless network to download the required program.

2.2. Connection Setup

After the software installation is completed, please confirm that all the permissions required by the APP have been allowed, otherwise some functions may not be able to be used normally.

Before logging in to use the downloaded app, please make sure that the OTG data exchange function is enabled in the tablet settings.

3. Software Function

3.1. Screen Introduction

3.1.1 Settings

Users can set the language, watermark and theme in the common interface.

The default language follows the system. Users can choose Chinese, English and Russian.

Watermark function: As the phone rotates, the watermark is displayed in the upper left corner of the screen. Users can choose to turn off the watermark.

Theme settings: Users can choose to follow the system, day and night themes.

3.1.2 Help

On the **Help** screen, users can access information on various aspects such as **About Us**, **Privacy Policy**, **Help Document**, **Feedback**, **Software Version**, **Firmware Version**, **SN Code**, and **Firmware Version Update Checks**.

3.2. Feature photography

Click to view photos and videos taken. All photos and videos in the APP gallery have the function of sharing and deleting.

Users can click on the upper right corner to select the required pictures and videos in batches, and can select up to 9 files for batch sharing and deletion.

Users can choose plain mode, urban mode, jungle mode and bird watching mode according to actual usage scenarios and needs.

3.2.1 Display operation

1. 5inch Titan Pad

① Power key:

Press this button to power on/off the display

![infrared logo]

3.2.3 Display Setting

In **Display Setting**, users can choose to display information as needed by selecting **Location Display**, **Longitude and Latitude Display**, **Weather Display**, **Time Display**, **Speed Display**, or **Compass Display**.

4. Precautions

(1) Do not place this product in a humid environment or rinse it with water, to prevent electrical leakage or short circuit.
(2) This product is sensitive to thermal radiation. Whether you are using it or not, do not direct its lens to the sun or other heat sources at temperatures above 300℃ for a long time.
(3) Please keep it properly after use. To prevent device failure, disassembling the device shell without permission is strictly prohibited.
(4) The lens and the Type-C connector are prone to damage. Do not knock, pry, puncture, or scratch them.

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FCC COMPLIANCE

Note:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

Note: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF exposure warning

The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment. The equipment must not be co-located or operating in conjunction with any other antenna or transmitter.

Body SAR value:1.21 W/kg.

5 Product Services

5.1 Service Commitment

InfiSense Technology Co., Ltd. is committed to providing quality training, maintenance, and technical support for customers. The Company wishes to maintain a long-term relationship with the customers. It continues to offer systems of the latest version and effective, timely support, retraining, and consulting services based on customer needs to help maximize customers' economic benefits.

5.2 After-Sales Contact

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