

TupuCheck

Face Recognition & Thermometric
Access Control Terminal

DATASHEET



Features

Touchless Access Control · Infrared thermography · Temperature detection · Fever alarm & notification
Mask detection& mask wearing reminder · Offline Recognition · Delicate design

Highlights

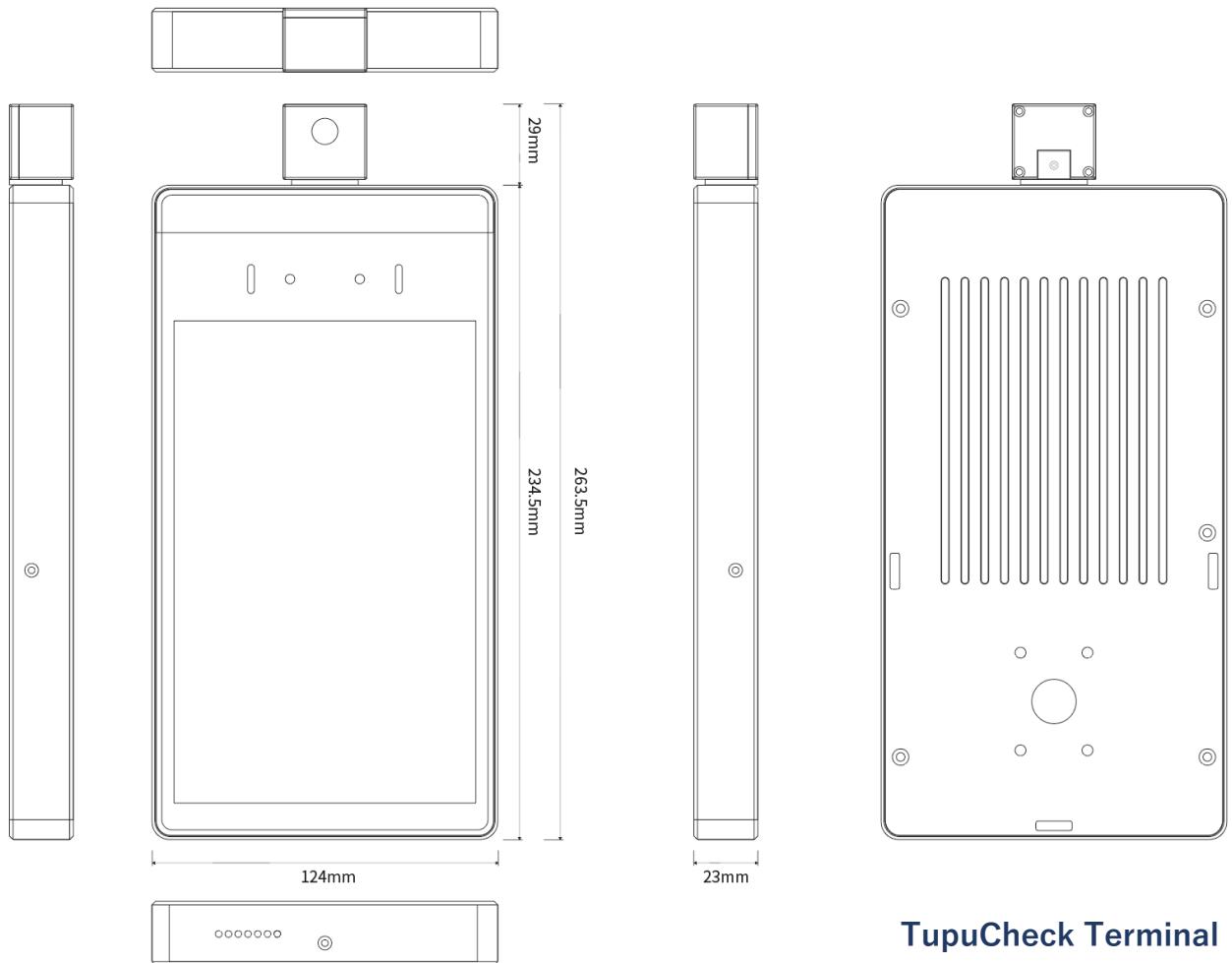
- **Multilingual System:** support Chinese, English, Italian, Spanish, French, Polish and Lithuanian
- **Recognition in Milliseconds:** world-leading TUPUTECH® algorithms to provide verify speed less than 0.1s for facial recognition and 100ms for temperature measurement per person.
- **Temperature Calibration Powered by AI Algorithm (no need of black body):** exclusive AI algorithm propelling temperature calibration against distance and environmental effect, attaining higher accuracy without black body.
- **Different modes for different scenes:** different modes for: 1) for temperature measurement only; 2) access control authorization based on identity authentication and body temperature measurement; 3) temperature measurement supported, but access control authorization based on identity authentication only
- **Detection of Different Types of Masks:** masked face temperature measurement and mask wearing reminder based on detection of different types of masks including N95 mask, pure color regular mask, patterned mask, surgical masks, etc..
- **Support different types of installation:** compatible with existing access control infrastructure (automatic door, metal detector door, turnstile, standalone, etc.) with different brackets and stands.
- **Different Data Storage Solutions:** work with Tupu Face Access cloud platform on default. Provides data storage solution based on Amazon Web Services.

Specifications

CAMERA	
Stereo Camera	2.0 Megapixel (RGB)+2.0 Megapixel (IR)
Illumination	White light & IR fill light; red & green light Indicator
FACIAL RECOGNITION	
Log Capacity	100000
User Capacity	10000+
Anti-Spoofing	Yes
Mask Detection	Yes
Masked Face Recognition	Yes
Mask Wearing Reminder	Yes
Recognition Speed	<0.1s
FAR	<0.1%
Accuracy	99.90%
Authentication Mode	1:N face matching
BODY TEMPERATURE MEASUREMENT	
Measuring Range	25-45°C (77-113°F)
Measurement Accuracy	±0.3°C (±0.54°F)
Measuring Distance	≤1m
GENERAL	
Operating System	Android
Language	English, Italian, Spanish, Polish, Chinese
Display	8-inch full view IPS LCD
Power	DC 12V-2A
Audio Prompt	Yes
Operating Temperature/Humidity	Temperature: 0-60°C Humidity: 10% ~ 90%
Wireless Connectivity	Wi-Fi 802.11 a/b/g/n (2.4/5GHz)
Storage	8GB
Interface	Wiegand26 x1; USB2.0 OTGx1; Access control interface x1; RJ45(10/100M Ethernet interface) x1 ; DC5.5mm*2.5mm
Installation	Wall-mounted/turnstile-mounted/stand bracket
Accessories (optional)	Wall mount bracket/turnstile-mounted bracket/floor stand/desktop bracket/rain cover

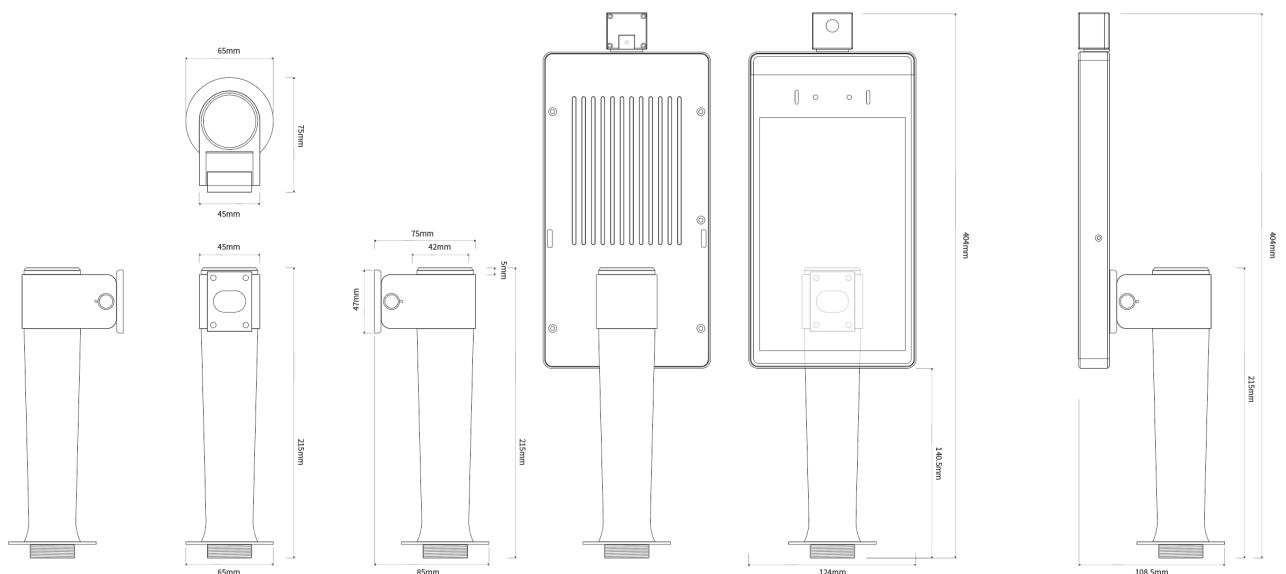
Dimensions

TUPUTECH
固普科技



TupuCheck Terminal

Dimension	263.5x124x23mm	Weight	0.8kg
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TupuCheck Pro with turnstile-mounting bracket

Dimension	404x124x108.5mm	Weight	1.3kg
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Packing Type: carton box

Dimension: 446mm(L) * 166mm(W) * 141mm(H)

Packing list:

TupuCheck Terminal Device x 1

Power adaptor x 1

Wall mounting bracket (optional) x 1

Turnstile mounting bracket (optional) x 1

Certification

TUPUTECH
国普科技

CTI

Declaration of Conformity

The submitted sample of the following equipment has been tested for CE-EMC according to the following European EMC standards:

Applicant name & address: Guangzhou Tupte Technology Co., Ltd.
Manufacturer name & address: Guangzhou Tupte Technology Co., Ltd.
Product: TupsCheck Pro
Model/Type reference: TupsCheck Pro
Trade mark: TUPUTECH
Ratings: Input: DC 12V/2A
Adapter Input: 100-240V~, 50/60Hz
Output: DC 12V/2A
Order No. / Report No.: EEE326N0091

EN 55022: 2015
EN 10055-2: 2014
EN 61000-3-2: 2013
EN 55025: 2013

This Declaration is for the exclusive use of CTI's Client and is provided pursuant to the agreement between CTI and its Client, which contains the full terms and conditions of the service. This Declaration is valid only for the equipment tested by CTI and does not imply that the material, product or service or is has ever been under a CTI certification program.

Note: This Declaration is part of the full test report(s) and should be read in conjunction with it.

CE **EMC tested** **Report No.** **Check No.** **Date of issue:** **Signature:** **Approved Signature:**

CE Test Report
Report No.: Check No.: 3336861780
Date of issue: Apr. 30, 2020
Signature: David Wang
Approved Signature: Tony Qian
Check No.: 3336861780

CENTRE TEST INTERNATIONAL, GMBH CO., LTD.
Germany - Switzerland - France - Italy - Spain - Portugal - Poland
www.cti-test.com | Email: info@cti-test.com | Tel: +49 478-212

BST A RELIABLE TESTING FOR TRUST

Certificate of Compliance

Certificate Number: BSTDQ200413760801CC

Applicant: Guangzhou Tupte Technology Co., Ltd.
Address: Room 504, 5/F, Block A1, 191 Kezui Avenue, Huangpu District, Guangzhou, Guangdong Province, China
Manufacturer: Guangzhou Tupte Technology Co., Ltd.
Address: Room 504, 5/F, Block A1, 191 Kezui Avenue, Huangpu District, Guangzhou, Guangdong Province, China
Product Name: TupsCheck Pro
Test Standard: IEC 62311-4-2013+AMDT1-2017, IEC 62321-5-2013, IEC 62321-1-2-2013, IEC 62321-1-1-2015, IEC 62321-7-2-2017, IEC 62321-10-2017
As shown in the Test Report No.: BSTDQ200413760801CR

The EU Declaration described above has been tested by us and found in compliance with the council RoHS 2 Directive 2011/65/EU Annex II (EU) 2015/863 as last amended by Directive (EU) 2017/102. This certificate is only valid in conjunction with the test report.

RoHS **TONY** **Tony Qian**
Tony Qian
Approved Signature
Apr.24, 2020

QR code

Dongguan BST Testing Co., Ltd.
Add: A105-106 Asean of Donghai Road, Dongcheng District, Dongguan, Guangdong, China
Certificate Search: <http://www.bst-lab.com>, Tel: 400-8829626, 800-9990305, E-mail: china@bst-lab.com

TCB
GRANT OF EQUIPMENT AUTHORIZATION
Certification
Issued Under the Authority of the
Federal Communications Commission
By

Time Engineering, Inc.
849 NW State Road 45
Newberry, FL 32669

Date of Grant: 07/01/2020
Application Dated: 07/01/2020

Guangzhou Tupte Technology Co., Ltd.
Room 504, 5/F, Block A1, 191 Kezui Avenue,
Huangpu District, Guangzhou, China
Post Box: 510655,
Guangzhou, Guangdong Province, 510655
China

Attention: Wei Jessie

NOT TRANSFERABLE
EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is
VALID ONLY FOR THE EQUIPMENT IDENTIFIED HEREON for use under the Commission's
Rules and Regulations listed below:

FCC IDENTIFIER: **2AWGC TUPU CHECK PRO**
Name of Grantee: **Guangzhou Tupte Technology Co., Ltd.**
Equipment Class: **Digital Transmission System**
Model: **TupsCheck Pro**
Frequency Range: **2412.0 - 2462.0 MHz**
Output Power: **0.037**
Emission Identifier: **2AWGC TUPU CHECK PRO**

Power listed is conducted. Device must be operated by placing a separation distance of at least 20cm from all persons and must not transmit simultaneously with any other wireless or transmitter, except in accordance with FCC multi-transmitter product procedures, laws and regulations. The device must be used in accordance with the instructions and the maximum RF exposure conditions for satisfying RF exposure compliance.



CE

RoHS

FCC

GRGTTEST GUANGZHOU ZHENGJI METROLOGY & TEST CO., LTD. **CNAS** **MADE IN CHINA**

校准证书 **CALIBRATION CERTIFICATE**

证书编号: **20200312046001** **第 1 页 共 4 页**

委托方: 广州国普网络科技有限公司
地址: 广州市天河区天河北路1801号14楼
仪器名称: TupsCheck Pro
型号: TupsCheck Pro
制造商: 广州国普网络科技有限公司
出厂号: GAOF1229 GT
校准日期: 2020年03月12日
校准员: M. D
校准员签名: 2020年03月12日
Y.M.D
报告人: **刘光**
批准人: **刘光**
审核人: **李海**
校准人: **李海**
证书有效期: 2020年05月31日
单位: **秒**
单位代码: **1**
校准依据: **GB/T 22128-2008**
校准方法: **直接比较法**
校准状态: **正常**
校准结果: **合格**
校准结论: **符合要求**
校准实验室: **广州国普网络科技有限公司检测实验室**
实验室地址: **广州市天河区天河北路1801号14楼**
实验室负责人: **李海**
实验室电话: **020-38550000**
实验室传真: **020-38550001**
实验室邮箱: **info@tuputech.com**

测试报告

GLC180816C502-BG169 **CNAS** **MADE IN CHINA**

GDLG **Guangdong Lab Center**

产品名称: **国普科技人脸识别测温系统 (TupsCheck)**
测试类型: **确认测试**
委托单位: **广州国普网络科技有限公司**
生产单位: **广州国普网络科技有限公司**
报告日期: **2020年04月10日**

广东中兴新嘉华检测有限公司检测实验室

Calibration Certificate

CNAS

TUPUTECH
国 普 科 技

AI for a Smarter World



<https://us.tuputech.com>



Guangzhou City, China



sales@tuputech.com



+86-18028524307