菱歌科技
LINGGE TECHNOLOGY

智能防疫预警监测系统

体温筛查-需求分析

新型冠状病毒的主要症状之一是体温异常，国家卫健委高级别专家组组长、中国工程院院士、国家呼吸系统疾病临床研究专家钟南山表示，新型肺炎存在人传人现象，武汉减少输出是非常重要的一个方面，武汉会有很严格的筛查检测措施，特别是**体温检测。**

效率提升是关键

目前检测手段单一，主要以接触式的耳温枪和水银温度计为主，在人员较多的情况下，每个人单独检测费时费力。

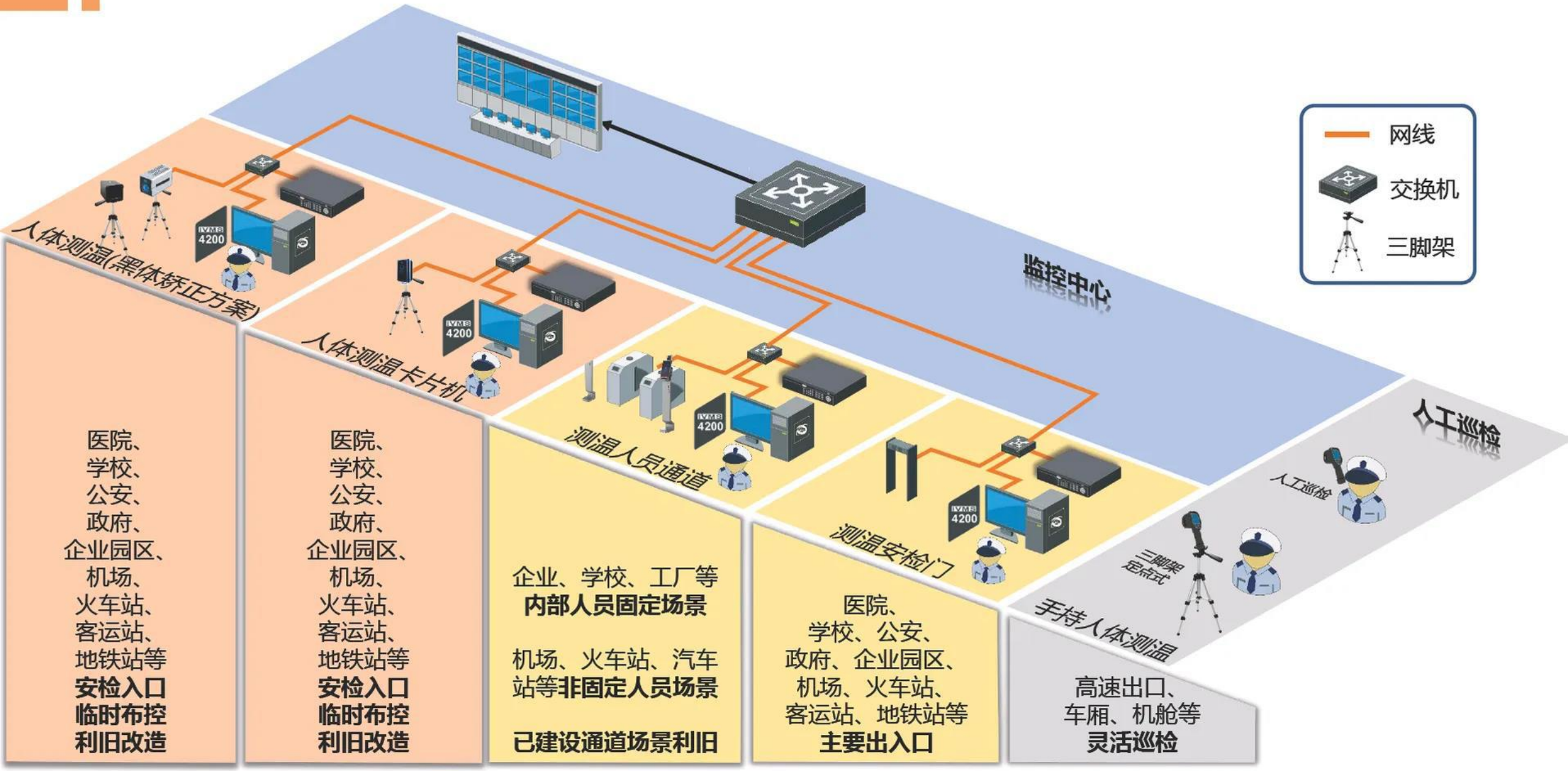
成本物资控制

当前检测手段需要投入大量人力物力；
传统热成像体温筛查方案成本较高，安装部署相对复杂。

快速灵活布控

当前城市交通、文教卫、工商企业等城市公共区域都未设置合理的检测手段，急需设备能够进行灵活布控，减少人员投入。

体温筛查方案拓扑


网线
交换机
三脚架
监控中心
人体测温(黑体矫正方案)
人体测温卡片机
测温人员通道
测温安检门
手持人体测温
人工巡检
三脚架
定点式
人工巡检
医院、
学校、
公安、
政府、
企业园区、
机场、
火车站、
客运站、
地铁站等
安检入口
临时布控
利旧改造
医院、
学校、
公安、
政府、
企业园区、
机场、
火车站、
客运站、
地铁站等
安检入口
临时布控
利旧改造
企业、学校、工厂等
内部人员固定场景
机场、火车站、汽车
站等非固定人员场景
已建设通道场景利旧
医院、
学校、公安、
政府、企业园区、
机场、火车站、
客运站、地铁站等
主要出入口
高速出口、
车厢、机舱等
灵活巡检

方案一：测温安检门

方案清单：
NP-SG318LT-F

产品价格：
38000元

方案优势：

1、**无感测温：**可对通过人员进行脸部测温并匹配；
2、**温度显示报警：**温度显示在LCD屏幕上，超过阈值，可联动报警；
3、**热力图显示：**现场可通过4200或web实时查看热力图；
4、**人脸抓拍：**左右各一路200W摄像头，进行人脸抓拍；
5、**金属检测：**可检测到1个回形针大小的金属；
6、**联网功能：**可实现联网互通，搭配平台对数据汇聚分析；

技术参数

【测温，人脸，18防区，LCD屏】
测温：热成像相机测温
热成像分辨率：160*120
测温精度：±0.5℃
测试距离：0.3米-3米；
测温范围：30-45℃
人脸抓拍：2路，200w

测温安检门-效果展示&场景推荐

NP-SG112LT

ISD-SMG200L2CT

效果展示：

场景推荐：

室内主要出入口： 学校/医院/公安/政府/企业园区等人群聚集人流量大场景出入口

交通核心通道： 机场/铁路/车站/海关等核心通道

公共场所： 学校/医院等室内公共场所

测温安检门-安装部署

部署建议：

1、地板应当平整、坚固，以免安检门安装之后，由于人员的走动或者金属物品的移动导致安检门的晃动，从而造成不必要的误报。

远离静止或固定的大块金属物品至少 50cm以上。

2、由于人的表面体温受人当前活动状态，以及环境的影响比较大，所以在快速布控筛查时，建议在稳定环境以及人的状态稳定时进行筛查，准确度更高。因此，建议将入口测温安检门部署在入口一段走廊后，此时人的状态较平复，且环境稳定，效果会较好！

测温安检门-测试报告

Proof of Compliance under
FCC Supplier's Declaration of Conformity

Proof of Compliance under FCC Supplier's Declaration of Conformity is hereby prepared to the named applicant and is valid only for the equipment identified below:

No.: MOST18EE081297

Applicant's Name	:	**Hangzhou Hikvision Digital Technology Co., Ltd.**
Applicant's Address	:	**No.555 Qianmo Road, Binjiang District, Hangzhou 310052,China**
Manufacturer's Name	:	**Hangzhou Hikvision Digital Technology Co., Ltd.**
Manufacturer's Address	:	**No.555 Qianmo Road, Binjiang District, Hangzhou 310052,China**

Declares that the product:

Report No.	:	**MTE/AVJ/E18081525**
Test Laboratory	:	**Shenzhen Most Technology Service Co., Ltd. Tel: 86 755 86026850 Fax: 86 755 26013350 Http://www.szmost.com**
Product Description	:	**Walk Through Metal Detector**
Model/Item Number	:	**NP-SG106, NP-SG112L, NP-SG118, NP-SG118L**
Brand Name	:	**HIKVISION**

Conforms to FCC Rules and Regulations under Part 15 Subpart B requirements. This product herewith complies with the requirements of the FCC Rules and Regulations as listed below:

Part 15.107: Conducted disturbance at mains terminals

Part 15.109: Radiated Spurious Emissions

Yvette Zhou
Manager
Date: August 16, 2018

Be tested to conform to the applicable FCC Rules and Regulations. The method of testing was in accordance to the most accurate measurement standards possible, and that all necessary steps have been enforced to assure that all production units of the same equipment will continue to comply with the Federal Communications Commission's requirements.

CERTIFICATION
of Conformity

No.: MOST18EE081296

Holder	:	**Hangzhou Hikvision Digital Technology Co., Ltd. No.555 Qianmo Road, Binjiang District, Hangzhou 310052,China**
Product Name	:	**Walk Through Metal Detector**
Model Name	:	**NP-SG106, NP-SG112L, NP-SG118, NP-SG118L**
Brand Name	:	**HIKVISION**
Technical Data	:	**100-240VAC, 50/60Hz**
Report No.	:	**MTE/AVJ/E18081524**

This certification refers to the conformity of the following Directive(s). It does not exclude the product(s) having to be in compliance with other applicable Directive(s):
According to the Electromagnetic Compatibility (EMC) directive 2014/30/EU.

It is to certify that the product identified above in compliance with the essential requirements of the following standard(s):
EN 61000-6-3:2007+A1:2011,
EN 61000-3-2:2014
EN 61000-3-3:2017
EN 61000-6-1:2007

August 16 , 2018
Date of Issue

Signed by: Yvette Zhou

This certification of conformity is based on an evaluation of the sample(s) of above mentioned product. Technical report and documentation are at the Holder's disposal. The CE marking as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.
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Shenzhen Most Technology Service Co., Ltd.
No. 5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China
Tel: 86 755 86026850 Fax: 86 755 26013350
Http://www.szmost.com

方案二：手持体温筛查方案

产品报价：6800元

方案清单：活体测温手持 (可根据需要选配 三角架)

推荐场景：高速出口、车厢、机舱等灵活巡检

方案优势：

1、**经济实用，灵活巡检**：针对突发事件可在固定出入口快速投入使用

2、**测温精度保证**：±0.5℃精度，满足体温初筛需求

DS-2TP31B-3AUF

测温精度：±0.5℃

测温范围：30-45℃

分辨率160*120

检测距离推荐0.15m~2m

3个测温点（中心点，最高温，最低温）

2.4英寸LCD屏（320*240）

8GB Micro SD卡

最大可支持128G

充电时间 < 3H@25℃

电池工作时间 > 8H@25℃

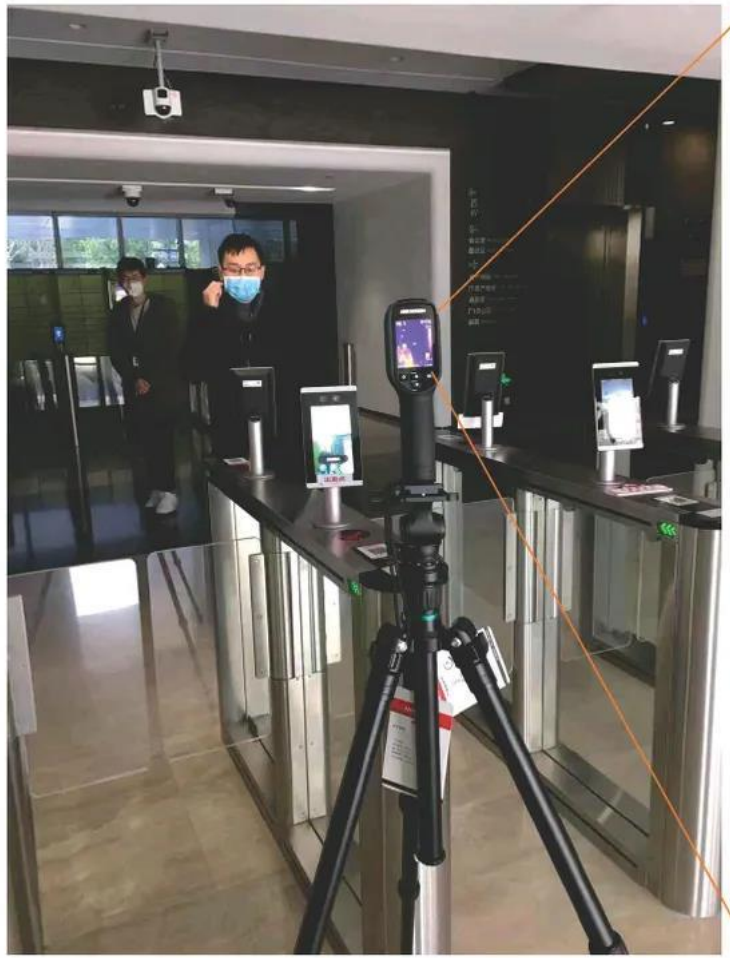
DS-2907ZJ

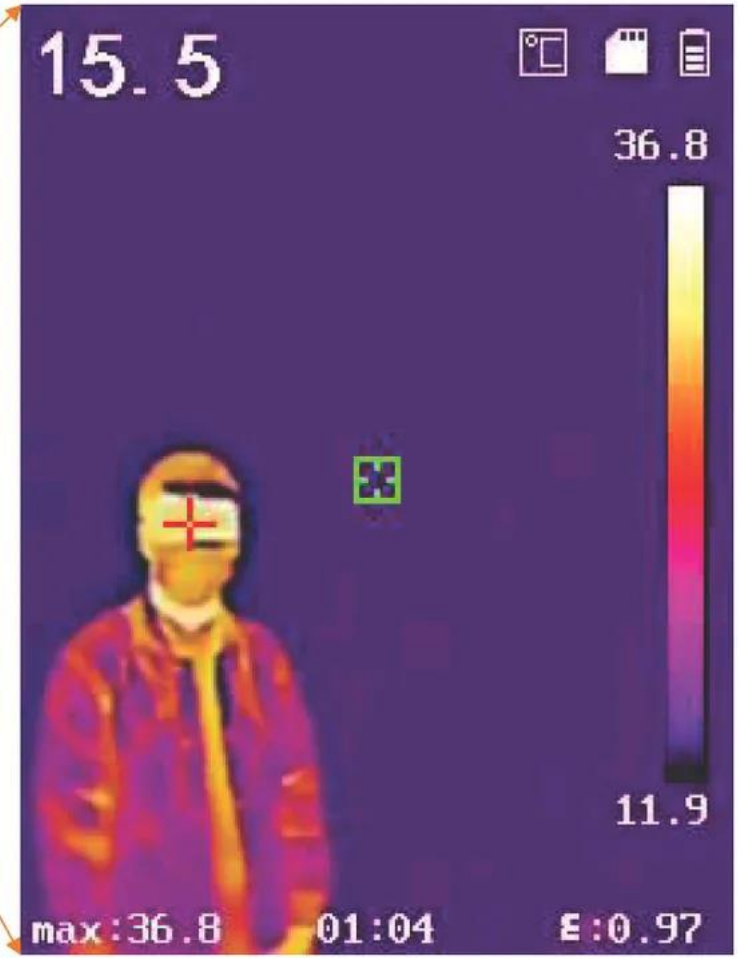
三脚架

物料302702952

UNC 1/4”-10三脚架接口（底部）

手持巡检体温筛查-效果展示





手持体温-测试报告

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

VERIFICATION OF COMPLIANCE Page: 1 of 4

Verification No.:	SHEM190101005301ATC
Applicant:	Hangzhou Hikvision Digital Technology Co., Ltd.
Address of Applicant:	No.555 Qianmo Road, Binjiang District, Hangzhou 310052, China
Product Description:	Handheld Thermography Camera
Model No.:	Refer to Page 2-4

Sufficient samples of the product have been tested and found to be in conformity with

Test Standards:	EN 55032:2015
	EN 61000-3-2:2014
	EN 61000-3-3:2013
	EN 50130-4:2011 +A1:2014

As shown in the

Test Report Number(s): SHEM190101005301

This verification of EMC Compliance has been granted to the applicant based on the results of the tests, performed by laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on the sample of the above-mentioned product in accordance with the provisions of the relevant specific standards under Directive 2014/30/EU. The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.

Parlam Zhan
E&E Section Manager

Date: 2019-01-25

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Attachment to Verification No.: SHEM190101005301ATC

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Parlam Zhan
E&E Section Manager

Date: 2019-01-25

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Parlam Zhan
E&E Section Manager

Date: 2019-01-25

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VERIFICATION OF COMPLIANCE Page: 4 of 4

Attachment to Verification No.: SHEM190101005301ATC

DS-2TPH33-8AXF, DS-2TPH33-10AXF, DS-2TPH30-3HXF, DS-2TPH30-4HXF, DS-2TPH30-5HXF, DS-2TPH30-6HXF, DS-2TPH30-7HXF, DS-2TPH30-8HXF, DS-2TPH30-10HXF, DS-2TPH31-3HXF, DS-2TPH31-4HXF, DS-2TPH31-5HXF, DS-2TPH31-6HXF, DS-2TPH31-7HXF, DS-2TPH31-8HXF, DS-2TPH31-10HXF, DS-2TPH33-3HXF, DS-2TPH33-4HXF, DS-2TPH33-5HXF, DS-2TPH33-6HXF, DS-2TPH33-7HXF, DS-2TPH33-8HXF, DS-2TPH33-10HXF

This verification of EMC Compliance has been granted to the applicant based on the results of the tests, performed by laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on the sample of the above-mentioned product in accordance with the provisions of the relevant specific standards under Directive 2014/30/EU. The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.

Parlam Zhan
E&E Section Manager

Date: 2019-01-25

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方案三：多人动态测温方案

菱歌科技 LINGGE TECHNOLOGY

产品价格：28000元

方案清单：动态测温仪+电脑（自备）+客户端软件平台

推荐场景：学校、工厂、车站、写字楼等场景

方案优势：

1、**多人动态测温：**支持AI人脸检测，多目标同时检测体温

2、**自动抓拍预警：**±0.5精度，满足体温初筛需求

3、**精准测温：**±0.3精度

4、**声光报警**：内置喇叭，体温过高报警时语音提升“体温异常请复合体温”

DS-2TD1217B-6/PA(国内标配)（B）

热成像：分辨率160 × 120；

焦距6mm；

视场角：25°×18.7°；

可见光：分辨率2688*1520；

焦距8mm；

视频模式：双光融合；

动态测温-测试报告

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

FEDERAL COMMUNICATIONS COMMISSION
Designation Number: CN5033.
Test Firm Registration Number: 479755
NVLAP Lab Code: 201034-0

Verification of Compliance *Page: 1 of 2*

This Verification of Compliance is granted to below applicant for following designated equipment

VoC No.:	SHEM190801632401ATC
Applicant Name:	Hangzhou Hikvision Digital Technology Co., Ltd.
Applicant Address:	No.555 Qianmo Road, Binjiang District, Hangzhou 310052, China
Product Name:	Network Thermal Camera
Model No.:	Refer to Page 2
Test Report Number(s):	SHEM190801632401

Based on tests conducted by SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. on submitted samples of above mentioned product and found to comply with the technical requirements set out in *ANSI C63.4 & 47 CFR PART 15B regulations for the evaluation of electromagnetic compatibility.*

Please note:
(1) Applicant and/or manufacturer shall fully fulfill FCC SDoC authorization procedure set out in 47 CFR §2.906, §2.909, §2.925, §2.1074, §2.1077.

(2) Applicant and/or manufacturer shall comply additional requirements set out in §15.21, §15.105 and §15.19 to fully comply regulation 47 CFR Part 15.

(3) This VoC is ONLY a conclusion of test result, ONLY serves as technical specifications compliance verification for aforementioned product from SGS Lab.

(4) This verification is only valid for the equipment and configuration described, in conjunction with the test report detailed above.

parlam zhan

Parlam Zhan
E&E Section Manager

Date: 2019-08-29

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SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

FEDERAL COMMUNICATIONS COMMISSIO
Designation Number: CN5033.
Test Firm Registration Number: 479755
NVLAP Lab Code: 201034-0

VERIFICATION OF COMPLIANCE *Page: 2 of 2*

Attachment to Verification No.: SHEM190801632401ATC

DS-2TD1217-6/PA, DS-2TD1117-3/PA, DS-2TD1217-6/P, DS-2TD1217-2/P, DS-2TD1217-3/P, DS-2TD1217-6/PA, DS-2TD1217-2/PA, DS-2TD1217-3/PA, DS-2TD1217T-6/PA, DS-2TD1217T-2/PA, DS-2TD1217T-3/PA, DS-2TD1217-6/PUHK, DS-2TD1217-2/PUHK, DS-2TD1217-3/PUHK, DS-2TD1217-6/PAUHK, DS-2TD1217-2/PAUHK, DS-2TD1217-3/PAUHK, DS-2TD1217T-6/PAUHK, DS-2TD1217T-2/PAUHK, DS-2TD1217T-3/PAUHK, DS-2TD1217-6/PCKV, DS-2TD1217-2/PCKV, DS-2TD1217-3/PCKV, DS-2TD1217-6/PACKV, DS-2TD1217-2/PACKV, DS-2TD1217-3/PACKV, DS-2TD1217T-6/PACKV, DS-2TD1217T-2/PACKV, DS-2TD1217T-3/PACKV, DS-2TD1217-6/PUVS, DS-2TD1217-2/PUVS, DS-2TD1217-3/PUVS, DS-2TD1217-6/PAUVS, DS-2TD1217-2/PAUVS, DS-2TD1217-3/PAUVS, DS-2TD1217T-6/PAUVS, DS-2TD1217T-2/PAUVS, DS-2TD1217T-3/PAUVS, DS-2TD1217-6/PKVO, DS-2TD1217-2/PKVO, DS-2TD1217-3/PKVO, DS-2TD1217-6/PAKVO, DS-2TD1217-2/PAKVO, DS-2TD1217-3/PAKVO, DS-2TD1217T-6/PAKVO, DS-2TD1217T-2/PAKVO, DS-2TD1217T-3/PAKVO, DS-2TD1217-6/PHUN, DS-2TD1217-2/PHUN, DS-2TD1217-3/PHUN, DS-2TD1217-6/PAHUN, DS-2TD1217-2/PAHUN, DS-2TD1217-3/PAHUN, DS-2TD1217T-6/PAHUN, DS-2TD1217T-2/PAHUN, DS-2TD1217T-3/PAHUN, DS-2TD1117-3/P, DS-2TD1117-2/P, DS-2TD1117-6/P, DS-2TD1117-3/PA, DS-2TD1117-2/PA, DS-2TD1117-6/PA, DS-2TD1117T-3/PA, DS-2TD1117T-2/PA, DS-2TD1117T-6/PA, DS-2TD1117-3/PUHK, DS-2TD1117-2/PUHK, DS-2TD1117-6/PUHK, DS-2TD1117-3/PA UHK, DS-2TD1117-2/PAUHK, DS-2TD1117-6/PAUHK, DS-2TD1117T-3/PAUHK, DS-2TD1117T-2/PAUHK, DS-2TD1117T-6/PAUHK, DS-2TD1117-3/PCKV, DS-2TD1117-2/PCKV, DS-2TD1117-6/PCKV, DS-2TD1117-3/PACKV, DS-2TD1117-2/PACKV, DS-2TD1117-6/PA CKV, DS-2TD1117T-3/PACKV, DS-2TD1117T-2/PACKV, DS-2TD1117T-6/PACKV, DS-2TD1117-3/PUVS, DS-2TD1117-2/PUVS, DS-2TD1117-6/PUVS, DS-2TD1117-3/PAUVS, DS-2TD1117-2/PAUVS, DS-2TD1117-6/PAUVS, DS-2TD1117T-3/PAUVS, DS-2TD1117T-2/PAUVS, DS-2TD1117T-6/PAUVS, DS-2TD1117-3/PKVO, DS-2TD1117-2/PKVO, DS-2TD1117-6/PKVO, DS-2TD1117-3/PAKVO, DS-2TD1117-2/PAKVO, DS-2TD1117-6/PA KVO, DS-2TD1117T-3/PAKVO, DS-2TD1117T-2/PAKVO, DS-2TD1117T-6/PAKVO, DS-2TD1117-3/PHUN, DS-2TD1117-2/PHUN, DS-2TD1117-6/PHUN, DS-2TD1117-3/PAHUN, DS-2TD1117-2/PAHUN, DS-2TD1117-6/PAHUN, DS-2TD1117T-3/PAHUN, DS-2TD1117T-2/PA HUN, DS-2TD1117T-6/PA HUN

parlam zhan

Parlam Zhan
E&E Section Manager

Date: 2019-08-29

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CERTIFICATE OF COMPLIANCE

Certificate Number	20191010-E307937
Report Reference	E307937-A241-UL
Issue Date	2019-OCTOBER-10

Issued to: HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO LTD
No 555 Qianmo Rd
Binjiang District
Hangzhou
Zhejiang 310052 CHINA

This certificate confirms that representative samples of INFORMATION TECHNOLOGY EQUIPMENT INCLUDING ELECTRICAL BUSINESS EQUIPMENT
Refer Addendum Page

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07
Information Technology Equipment - Safety - Part 1: General Requirements

Additional Information: See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information.

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Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program
UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number	20191010-E307937
Report Reference	E307937-A241-UL
Issue Date	2019-OCTOBER-10

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Models/Product:

Thermal Bi-spectrum Network Dome Camera

DS-2TD1217-3/V1, DS-2TD1217-2/V1, DS-2TD1217-6/V1, DS-2TD1217T-2/V1, DS-2TD1217T-3/V1, DS-2TD1217T-6/V1, DS-2TD1217-3/V1UHK, DS-2TD1217-2/V1UHK, DS-2TD1217-6/V1UHK, DS-2TD1217T-2/V1UHK, DS-2TD1217T-3/V1UHK, DS-2TD1217T-6/V1UHK, DS-2TD1217-3/V1CKV, DS-2TD1217-2/V1CKV, DS-2TD1217-6/V1CKV, DS-2TD1217T-2/V1CKV, DS-2TD1217T-3/V1CKV, DS-2TD1217T-6/V1CKV, DS-2TD1217-3/V1UVS, DS-2TD1217-2/V1UVS, DS-2TD1217-6/V1UVS, DS-2TD1217T-2/V1UVS, DS-2TD1217T-3/V1UVS, DS-2TD1217T-6/V1UVS, DS-2TD1217-3/V1KVO, DS-2TD1217-2/V1KVO, DS-2TD1217-6/V1KVO, DS-2TD1217T-2/V1KVO, DS-2TD1217T-3/V1KVO, DS-2TD1217T-6/V1KVO, DS-2TD1217-3/V1HUN, DS-2TD1217-2/V1HUN, DS-2TD1217-6/V1HUN, DS-2TD1217T-2/V1HUN, DS-2TD1217T-3/V1HUN, DS-2TD1217T-6/V1HUN, DS-2TD1217-6/PA,DS-2TD1117-3/PA,DS-2TD1217-6/P,DS-2TD1217-2/P,DS-2TD1217-3/P,DS-2TD1217-6/PA,DS-2TD1217-2/PA,DS-2TD1217-3/PA,DS-2TD1217T-6/PA,DS-2TD1217T-2/PA,DS-2TD1217T-3/PA,DS-2TD1217-6/PUHK,DS-2TD1217-2/PUHK,DS-2TD1217-3/PUHK,DS-2TD1217-6/PAUHK,DS-2TD1217-2/PAUHK,DS-2TD1217-3/PAUHK,DS-2TD1217T-6/PAUHK,DS-2TD1217T-2/PAUHK,DS-2TD1217T-3/PAUHK,DS-2TD1217-6/PCKV,DS-2TD1217-2/PCKV,DS-2TD1217-3/PCKV,DS-2TD1217-6/PACKV,DS-2TD1217-2/PACKV,DS-2TD1217-3/PACKV,DS-2TD1217T-6/PACKV,DS-2TD1217T-2/PACKV,DS-2TD1217T-3/PACKV,DS-2TD1217-6/PUVS,DS-2TD1217-2/PUVS,DS-2TD1217-3/PUVS,DS-2TD1217-6/PAUVS,DS-2TD1217-2/PAUVS,DS-2TD1217-3/PAUVS,DS-2TD1217-6/PKVO,DS-2TD1217-2/PKVO,DS-2TD1217-3/PKVO,DS-2TD1217-6/PAKVO,DS-2TD1217-2/PAKVO,DS-2TD1217-3/PAKVO,DS-2TD1217T-6/PAKVO,DS-2TD1217T-2/PAKVO,DS-2TD1217T-3/PAKVO,DS-2TD1217-6/PHUN,DS-2TD1217-2/PHUN,DS-2TD1217-3/PHUN,DS-2TD1217-6/PAHUN,DS-2TD1217-2/PAHUN,DS-2TD1217-3/PAHUN,DS-2TD1217T-6/PAHUN,DS-2TD1217T-2/PAHUN,DS-2TD1217T-3/PAHUN, DS-2TD1117-3/P,DS-2TD1117-2/P,DS-2TD1117-6/P,DS-2TD1117-3/PA,DS-2TD1117-2/PA,DS-2TD1117-6/PA,DS-2TD1117T-3/PA,DS-2TD1117T-2/PA,DS-2TD1117T-6/PA,DS-2TD1117-3/PUHK,DS-2TD1117-2/PUHK,DS-2TD1117-6/PUHK,DS-2TD1117-3/PAUHK,DS-2TD1117-2/PAUHK,DS-2TD1117-6/PAUHK,DS-2TD1117T-3/PAUHK,DS-2TD1117T-2/PAUHK,DS-2TD1117T-6/PAUHK,DS-2TD1117-3/PCKV,DS-2TD1117-2/PCKV,DS-2TD1117-6/PCKV,DS-2TD1117-3/PACKV,DS-2TD1117-2/PACKV,DS-2TD1117-6/PA CKV,DS-2TD1117T-3/PACKV,DS-2TD1117T-2/PACKV,DS-2TD1117T-6/PACKV,DS-2TD1117-3/PUVS,DS-2TD1117-2/PUVS,DS-2TD1117-6/PUVS,DS-2TD1117-3/PAUVS,DS-2TD1117-2/PAUVS,DS-2TD1117-6/PAUVS,DS-2TD1117T-3/PAUVS,DS-2TD1117T-2/PAUVS,DS-2TD1117T-6/PAUVS,DS-2TD1117-3/PKVO,DS-2TD1117-2/PKVO,DS-2TD1117-6/PKVO,DS-2TD1117-3/PAKVO,DS-2TD1117-2/PAKVO,DS-2TD1117-6/PAKVO,DS-2TD1117T-3/PAKVO,DS-2TD1117T-2/PAKVO,DS-2TD1117T-6/PAKVO,DS-2TD1117-3/PHUN,DS-2TD1117-2/PHUN,DS-2TD1117-6/PHUN,DS-2TD1117-3/PAHUN,DS-2TD1117-2/PAHUN,DS-2TD1117-6/PAHUN,DS-2TD1117T-3/PAHUN,DS-2TD1117T-2/PA HUN,DS-2TD1117T-6/PA HUN

Bruce Mahrenholz, Director North American Certification Program
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LINGGE TECHNOLOGY

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联系方式：13534246496 林小姐（微信同步）