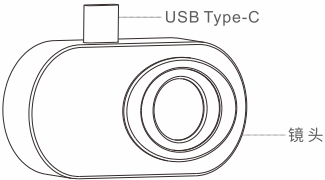


# 手机热像仪

## 用户手册



NF-583S/586S

### 概述

本手机红外热像仪采用像元间距小、高分辨率的工业级红外探测器，是一款高精度快响应的便携红外热成像分析仪。产品轻巧便携、即插即用，配合定制专业级热像分析APP，可以连接手机对目标物体进行红外成像，随时随地进行多模式专业热图分析。

注意：手机设置打开OTG功能后使用

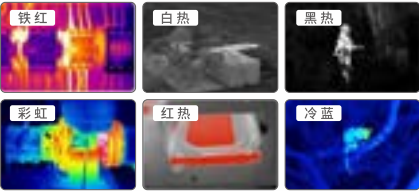
## 产品参数

红 外 热 成 像 仪		
产品型号	NF-583S	NF-586S
探测器分辨率	160x120	256x192
视场角	35° x 27°	56° x 42°
响应波段	8-14 μm	
帧频	25Hz	
NETD( 噪声等效温差)	< 50mK @25℃	
热成像镜头焦距	3.2mm	
测温范围	-15℃ ~ 600℃	
测温精度	±2℃或读数的±2%	
温度测量	支持高低温自动追踪、点测温、区域测温、线测温, 温度范围查看	
调色板	铁红, 白热, 黑热, 彩虹, 红热, 冷蓝	
语言	中文	
工作温度	-10℃ - 75℃	
贮存温度	-45℃ - 85℃	
防护等级	IP54	
尺寸	54mm x 26mm x 13.5mm	
净重	19g	

## 主要功能

设置	提供App的界面和红外热成相机的参数设置
界面重置	重置画面中的各种信息, 恢复到启动时的状态
拍照	拍摄照片并存储在相册中
录像	视频录像并存储在相册中
相册	存储本应用的照片和录像
红外热成像图像区域	显示红外热成像相机的画面
温度色块条区域	用不同的色块条显示当前画面中的最高温度和最低温度
色板	可以切换不同的色板来改变视频的配色
区域测温	可以添加点、线和框来进行不同区域的测温
温度追踪	可以追踪画面中的当前最高温、最低温和中心点的温度
框内详查	可以突出显示当前所有矩形框内的温度, 如当前画面没有矩形框, 则会自动添加一个
高温告警	可以设置高温告警门限值, 视频中如有温度超过门限值即会发出声音和画面报警
高亮高温区域	显示画面中的最高温度分区域显示

## 显示模式



### 包装清单

手机热像仪	X1
镜片布	X1
用户手册	X1
饰纳袋	X1



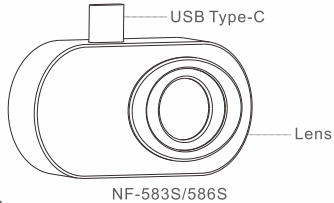
583S/586S APP 扫码下载

### 注意事项

- ⚠ 请勿让阳光、激光等强光直射镜头, 避免给镜头带来永久性物理损伤
- ⚠ 请勿将热像仪置于水中浸泡
- ⚠ 切忌使用酒精、洗洁剂等有机清洁剂清理镜头

# Mobile Phone Infrared Thermal Imager

## Instruction Manual



### Overview

This mobile phone infrared thermal imager is a portable infrared thermal imaging analyzer with high precision and quick response, which adopts an industrial-grade infrared detector with small pixel spacing and high resolution ratio, and is equipped with a 3.2mm lens.

The product is lightweight and portable, and can be used directly when plugged in. With the customized professional thermal image analysis APP, it can be connected to a mobile phone to carry out infrared imaging of the target object, making it possible to perform multi-mode professional thermal image analysis anytime and anywhere.

### Note

The phone is set to use after the OTG function is turned on.

VER:V2

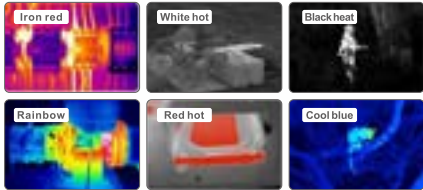
### Product parameters

Infrared thermal imaging		
Model	NF-583S	NF-586S
Detector resolution	160x120	256x192
FOV	35° x 27°	56° x 42°
Spectral range	8-14 μm	
Frame rate	25Hz	
NETD	< 50mK @25°C	
Lens	3.2mm	
Temperature measurement range	-15°C ~ 600°C	
Temperature measurement accuracy	±2°C or ±2%	
Temperature measurement	Highest, lowest, central point and area temperature measurement are supported.	
Color palette	Iron, white hot, black hot, rainbow, red hot, cold blue	
Language	English	
Working temperature	-10°C - 75°C	
Storage temperature	-45°C - 85°C	
IP rating	IP54	
Size	54mm x 26mm x 13.5mm	
Net weight	19g	

### Main function

Setting	Provide App interface and parameter setting of infrared thermal imaging camera.
About	Some information about the App
Reset	Reset all kinds of information in the screen and restore it to the state at startup.
Photo Taking	Take photos and store them in an album.
Video Recording	Make a video recording and store it in an album.
Album	Store photos and videos.
Infrared thermal imaging	Display infrared thermal imaging.
Temperature color bar	Display the maximum temperature and minimum temperature in the current screen with different color block bars.
Color palette	Different color palette can be switched to change the color of the video.
Regional Temperature Measurement	Points, lines and boxes can be added to measure temperature in different regions.
Temperature Tracking	The current maximum temperature, minimum temperature and center point temperature in the screen can be tracked.
Rectangle Temperature Measurement	The current temperature in all rectangular boxes can be highlighted. If the current screen does not have a rectangle, one will be added automatically.
High Temperature Alarm	The high temperature alarm threshold can be set. If the temperature in the video exceeds the threshold value, a sound and screen alarm will be issued.
Highlighted High-temperature Regions	The maximum-temperature region in the screen can be displayed.

### Color mode



### Packing list

Mobile Phone Ir Imager	X1
Lens Cleaner	X1
Instruction Manual	X1
Storage Bag	X1



583S/586S APP Download

### Notice

- ✦ It is forbidden to use alcohol, detergent and other organic cleaners to clean the lens. It is recommended to wipe the lens with soft objects dipped in water.
- ✦ Do not immerse the camera in water.
- ✦ Do not let sunlight, laser and other strong light sources directly illuminate the lens, otherwise the thermal imager will suffer irreparable physical damage.

设计	品名	样式	印刷要求
HZL	NF-583S&586S简易中/英文通用说明书V2	折页	彩色
日期	品号	页码	
2022.03.18	304-K3500-0001	4折页	
样品	尺寸	材质	
	297 x 75mm	128g 铜版纸	
变更记录	V2较V1版本，更新产品尺寸		