

How to upload the temperature measurement calibration file

Purpose

When thermal's temperature displays incorrect, it needs you to upload the calibration file to adjust.

Preparation

1. Thermal Imaging Temperature Measurement Tool.



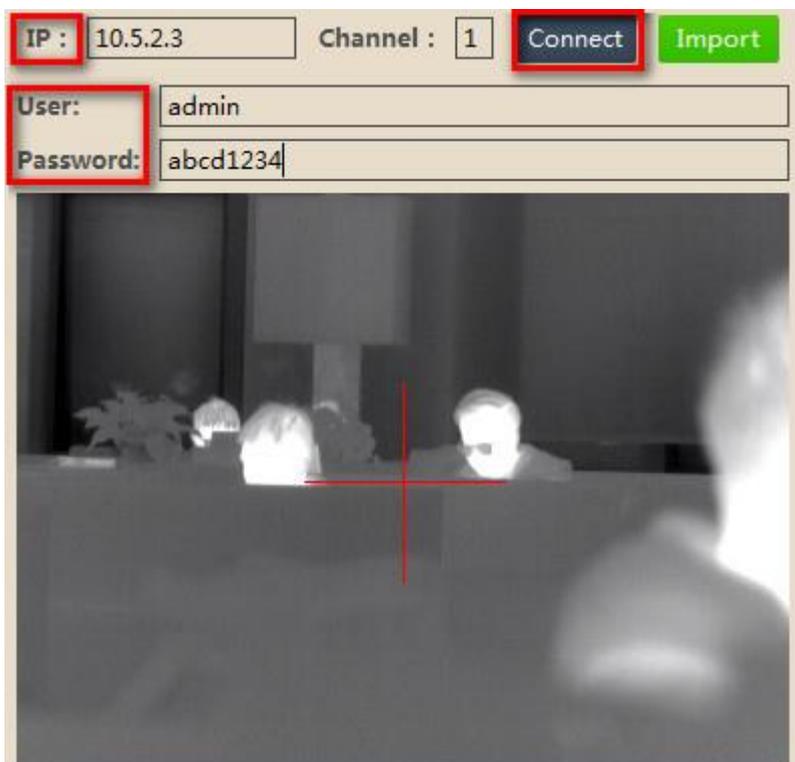
2. Device's calibration file (Take DS-2TD2136-25 for example).

Note:

1. Tool and files can be found on FTP. The path: /17 Thermal/Product support/04 Tool/
2. We advise that place the tool and file to the desktop, because when file path is too long will cause the failure of calibration.

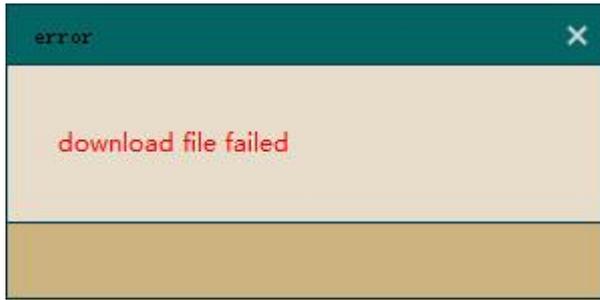
Steps:

1. Enter the IP, User and Password, click the button of Connect.



Note:

If the device has not the calibration file, tool will pop up below info. So we should upload the corresponding file to the device.



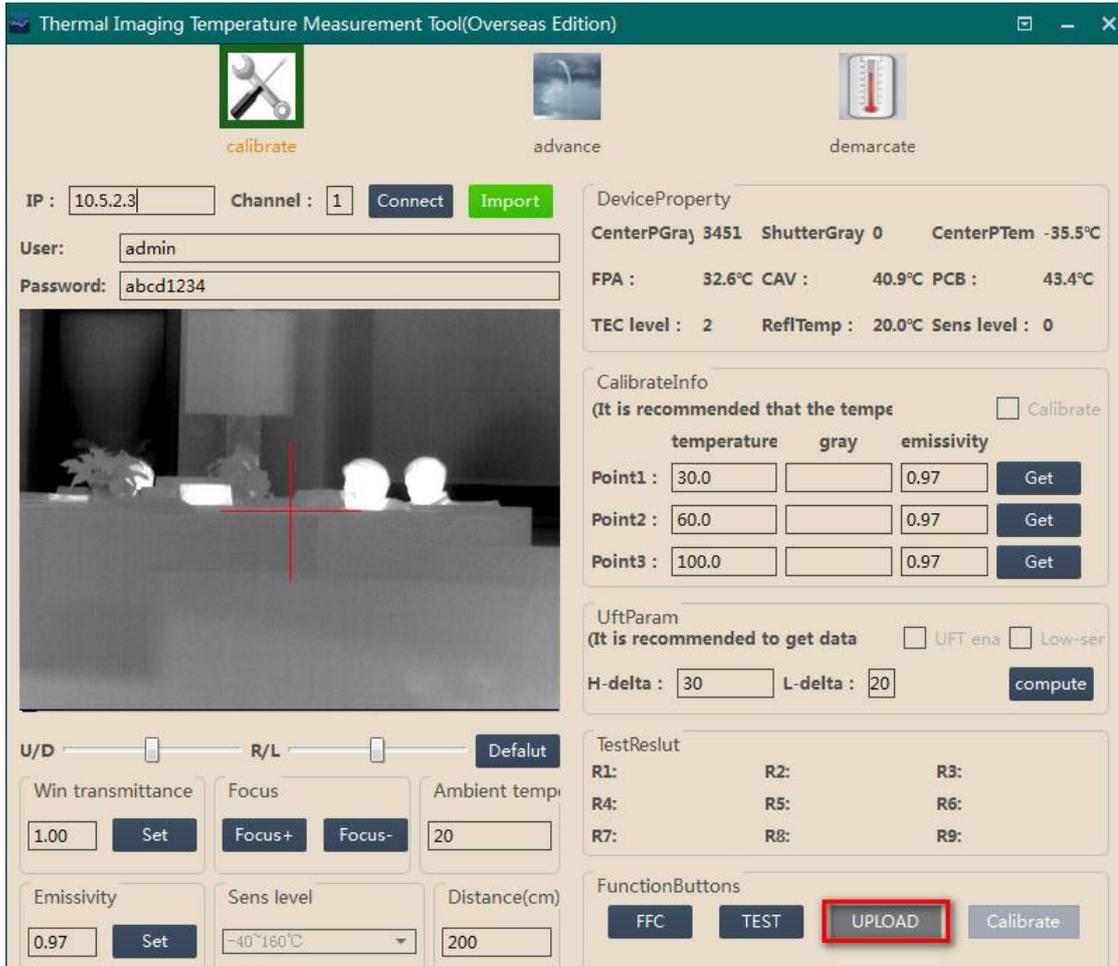
2. Modify the name of calibration file to the format as "MT_serial-number.dat". Serial No. can be known from IE.

Device Information	Time Settings	Maintenance	RS232	DST	Service	VCA Resource Type
Basic Information						
Device Name	THERMAL CAMERA					
Device No.	88					
Model	DS-2TD2136-25					
Serial No.	DS-2TD2136-2520161103AAWR123456810					
Firmware Version	V5.3.8 build 161101					
Encoding Version	V7.3 build 161020					
Number of Channels	1					
Number of HDDs	0					
Number of Alarm Input	2					
Number of Alarm Output	2					

So the final name of this device's calibration file is

 MT_DS-2TD2136-2520161103AAWR123456810.dat

3. Upload this file, you will see "write file to camera succeeded".



Thermal Imaging Temperature Measurement Tool(Overseas Edition)

calibrate advance demarcate

IP : 10.5.2.3 Channel : 1 Connect Import

User: admin

Password: abcd1234

DeviceProperty

CenterPGray 3451 ShutterGray 0 CenterPTem -35.5°C

FPA : 32.6°C CAV : 40.9°C PCB : 43.4°C

TEC level : 2 ReflTemp : 20.0°C Sens level : 0

CalibrateInfo

(It is recommended that the temperature gray emissivity) Calibrate

	temperature	gray	emissivity	
Point1 :	30.0		0.97	Get
Point2 :	60.0		0.97	Get
Point3 :	100.0		0.97	Get

UftParam

(It is recommended to get data) UFT ena Low-ser

H-delta : 30 L-delta : 20 compute

TestReslut

R1:	R2:	R3:
R4:	R5:	R6:
R7:	R8:	R9:

FunctionButtons

FFC TEST **UPLOAD** Calibrate

U/D R/L Defalut

Win transmittance 1.00 Set

Focus Focus+ Focus-

Ambient temp 20

Emissivity 0.97 Set

Sens level -40~160°C

Distance(cm) 200

4. Login the thermal by IE, check the temperature again.

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