

# Thermal design tool

## Release Notes

**(2022-07-13)**

### **General Information:**

Compatible with Chrome, Edge, Firefox.

Website linkage: <https://tools.hikvision.com/#/lensSelection-thermal>

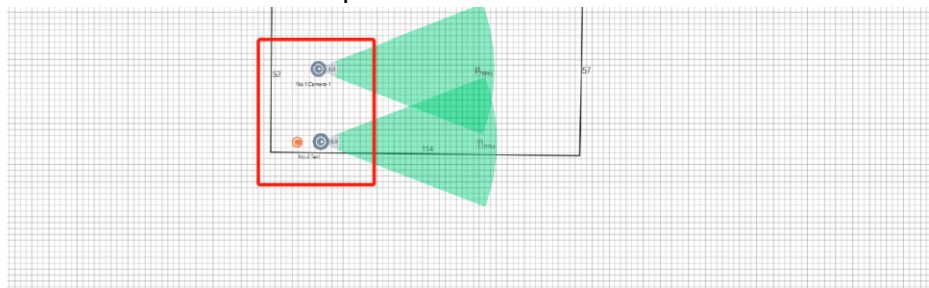
Operation Guide: <https://youtu.be/1x-r-L5bWlU>

## New Features:

- Newly add the new released cameras as below:

DS-2TD1217-2/QA	DS-2TD1217-3/QA	DS-2TD1217-6/QA
DS-2TD2617-3/QA	DS-2TD2617-6/QA	DS-2TD2617-10/QA
DS-2TD2637-7/QY	DS-2TD2637-10/QY	DS-2TD2637-15/QY
DS-2TD2637-25/QY	DS-2TD2637-35/QY	DS-2TD2137T-4/QY
DS-2TD2528T-3/Q	DS-2TD2528T-7/Q	DS-2TD2528T-10/Q
DS-2TD2537T-10/Q	DS-2TD2537T-15/Q	DS-2TD4228T-10/W
DS-2TXS2628-3P/QA/GLT/CH30S80	DS-2TXS2628-7P/QA/GLT/CH30S80	DS-2TXS2628-10P/QA/GLT/CH30S80
DS-2TD4137-25/W(B)	DS-2TD4137-50/W(B)	DS-2TD4167-25/W(B)
DS-2TD4167-50/W(B)	DS-2TD4137T-9/W(B)	DS-2TD4137T-25/W(B)
DS-2TD4167T-9/W(B)	DS-2TD4167T-25/W(B)	DS-2TD5537T-7/W
DS-2TD5537T-15/W	DS-2TD2637T-7/QY	DS-2TD2637T-10/QY
DS-2TD2637T-15/QY		

- Newly add 'Camera-Name' column inside PDF report, it helps to match the camera inside device list and map.



Device

Camera-Name	Camera-Model	Camera-Information	Mounting-Information	Object-Information	Valid-Distance	Pixel-Density
Camera-1	DS-2TD2138-7/QY	Outdoor-Bullet Resolution:384*288 Focal-Length(mm):5.5	Mounting-Height(m):5 Mounting-Angle(*):20 Horizontal-Angle(*):0	Object-Width(m):0.5 Object-Height(m):1.8	Type:Hi-VCA Blind-Spot(m):6.9 Alarm-Distance(m):65	7.7PPM
Test	DS-2TD2138-7/QY	Outdoor-Bullet Resolution:384*288 Focal-Length(mm):5.5	Mounting-Height(m):5 Mounting-Angle(*):20 Horizontal-Angle(*):0	Object-Width(m):0.5 Object-Height(m):1.8	Type:Hi-VCA Blind-Spot(m):6.9 Alarm-Distance(m):65	7.7PPM

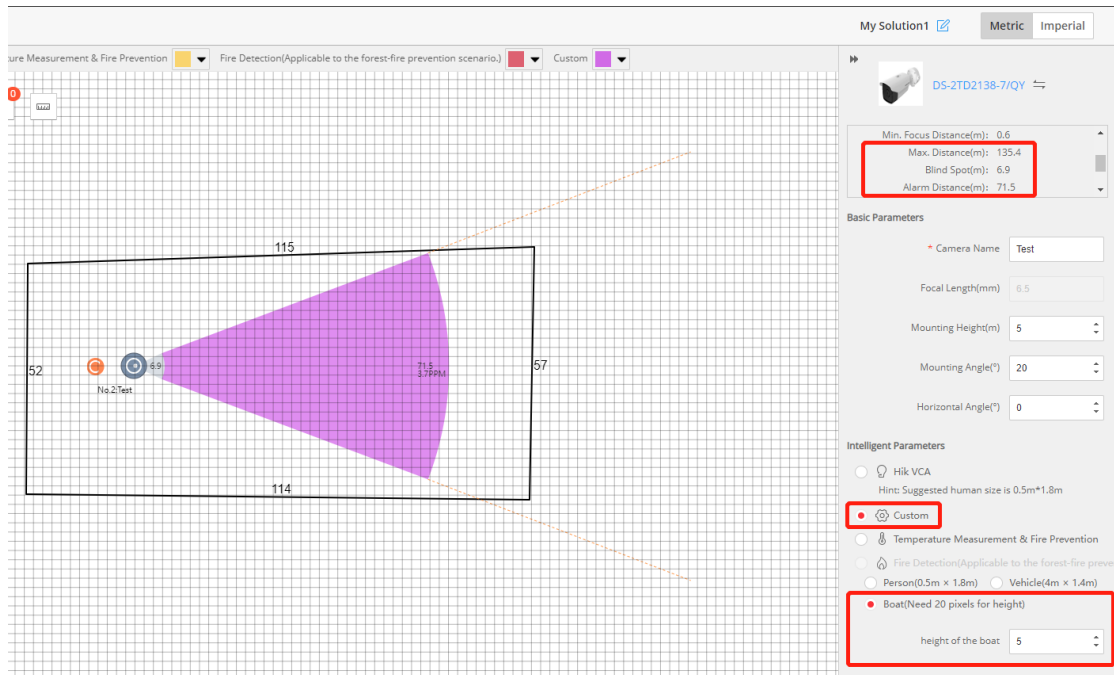
- Newly add 'Total' module to show all the camera and quantities in general.

Total

Camera-Model	Units
DS-2TD2138-7QY	2

- Newly support 'Boat Detection' inside custom mode. Input the height of the boat to get the detection range.

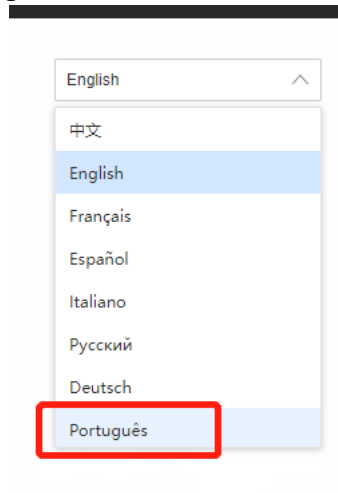
Note: If Alarm Distance is smaller than Max Distance, it can adjust the mounting angle to get further distance.



The screenshot shows the configuration interface for a Hikvision camera. The main view is a grid with a camera icon and a detection range indicator. The right-hand panel shows the configuration options:

- Units:** Metric / Imperial
- Mode:** Custom
- Distance Parameters:**
  - Min. Focus Distance(m): 0.6
  - Max. Distance(m): 135.4
  - Blind Spot(m): 6.9
  - Alarm Distance(m): 71.5
- Basic Parameters:**
  - Camera Name: Test
  - Focal Length(mm): 6.5
  - Mounting Height(m): 5
  - Mounting Angle(°): 20
  - Horizontal Angle(°): 0
- Intelligent Parameters:**
  - Custom
  - Temperature Measurement & Fire Prevention
  - Fire Detection(Applicable to the forest-fire prevention scenario.)
  - Person(0.5m x 1.8m)
  - Vehicle(4m x 1.4m)
  - Boat(Need 20 pixels for height)
- Boat Detection Settings:**
  - height of the boat: 5

- Newly add language 'Portuguese'.



The screenshot shows a language selection dropdown menu. The options are:

- English
- 中文
- English
- Français
- Español
- Italiano
- Русский
- Deutsch
- Português

The 'Português' option is highlighted with a red box.

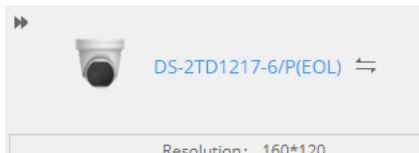
- Newly support to copy text from PDF report directly.
- General update for thermal cameras.

Remove very old cameras from the database as in below:

DS-2TD2136T-xx	DS-2TD2166T-xx	DS-2TD2336-xx
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DS-2TD2366-xx	DS-2TD2466-xx	DS-2TD2466T-xx
DS-2TD2636-xx	DS-2TD4136T-xx	DS-2TD4166T-xx
DS-2TD6236T-xx	DS-2TD2136-xx	DS-2TD2166-xx
DS-2TD2137-7/V1	DS-2TD1217-xx/V1	DS-2TD2117-xx/V1
DS-2TD2617-xx/V1	DS-2TD2137-xx/V1	DS-2TD2166-xx/V1
DS-2TD4136-xx	DS-2TD4166-xx	DS-2TD6236-xx
DS-2TD6266-xx	DS-2TX3636-xx	DS-2TD2836-xx
DS-2TD2866-xx		

Add 'EOL' inside model name for recently discontinued models as in below:



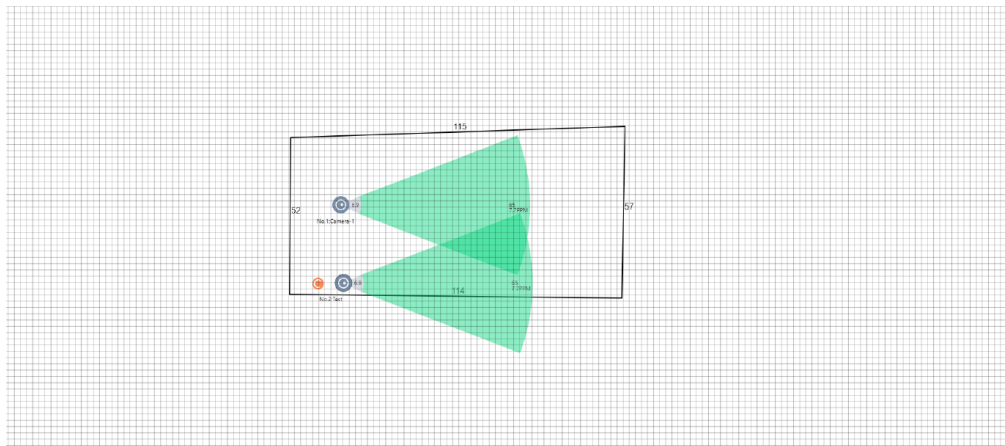
DS-2TD6266T-xx	DS-2TD2137-xx/PY	DS-2TD2137-xx/P
DS-2TD2137-xx/PI	DS-2TD2167-xx/P	DS-2TD8166-xx
DS-2TD1117-xx/PA	DS-2TD1217-xx/PA	DS-2TD2117-xx/PA
DS-2TD2617-xx/PA	DS-2TD1117-xx/P	DS-2TD1217-xx/P
DS-2TD2117-xx/P	DS-2TD2617-xx/P	DS-2TD2617-xx/PI
DS-2TD2617-xx/PAI	DS-2TD2117-xx/PI	DS-2TD2117-xx/PAI
DS-2TA21-xx	DS-2TD1217T-xx/PA	DS-2TD2617T-xx/PA

Note: DS-2TD2137-4/PY is still available.

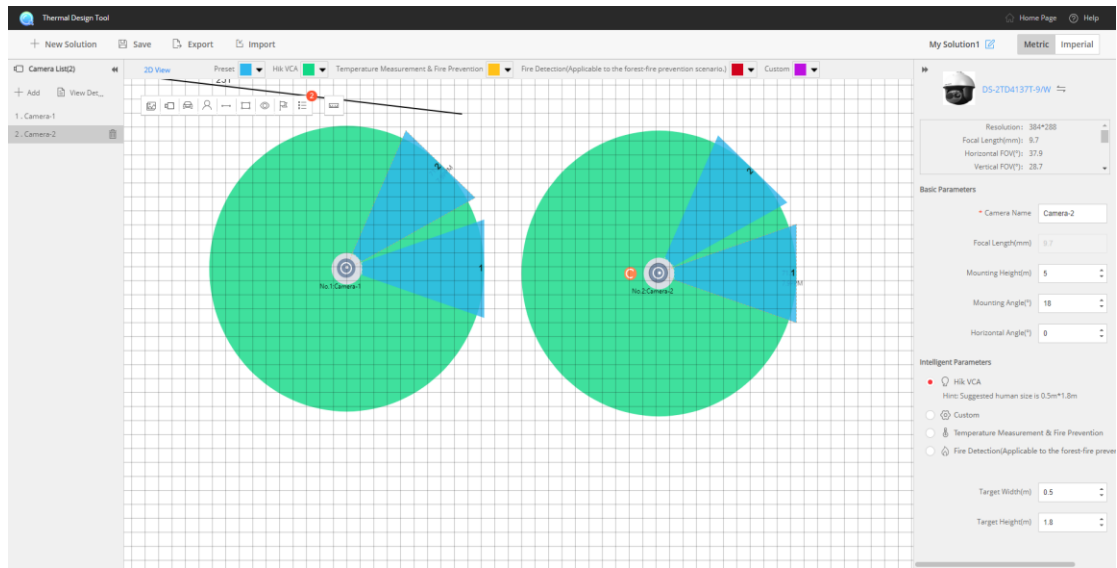
### **Optimizations:**

1. Optimize the transparency of smart function area in map, default at 50% transparency in order to have continuity and visibility of the map.

Plan-View



2. Fix the max distance display bug on Custom.
3. PT & dome presets are no longer automatically copied from one model to another.



### **Remarks:**

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