

User Guide

CUE DUAL CAMERA BASIC

MODEL NO: SF20-B10



Notice: Read this manual carefully and make sure you understand the provided instructions. For normal operation, please use it in connection with the equipment designated by CUE Korea.

• Safety instruction and Precautions

1. In order to reduce the **temperature detection error**, please avoid product placement in the following areas.
 - outdoors or at a distance of more than 3 meters from the exit
 - An area exposed to direct sunlight, or in an area close to vehicle stops.
 - Area around air conditioning and hot air vents
 - Areas around passageways that are frequently opened and closed
 - Areas with high humidity or frequent splashing of liquids
2. For accurate **facial recognition**, avoid installation in the following areas
 - Areas with strong lighting and rays
 - Area with blackout curtains
 - Around a poster with an image of a person printed on it
 - Near devices that frequently display images of people, such as billboards, and TVs

3. Precautions when measuring temperature

- Recommended measuring distance: 2-4m
- Face recognition is accurate when you look at the front of the camera. Accurate face recognition is not possible from the side.
- It is recommended to avoid frequent movement after device placement. Changing or disassembling the camera angle may affect the normal operation of the device.
Debugging is required when changing the monitoring location, so please contact the CS center.
- Specification

System	
Model Name	SF20-B10
Temperature Accuracy	±0.5°C Accuracy
Recommended Distance	1.2 - 3 m
Recommended Field of View	50° - 60°
Detect Time	< 1sec
Face recognition efficiency	< 1sec

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Thermal Module	
Detector Type	Uncooled Vox microbolometer
Max. Resolution	256 x 192
Temperature Range	30°C to 45°C
Focal Length	3.2 mm
Field of View	V 42° / H 56°
NETD	60mk
Detect frame Rate	25fps
Interface	USB
Power	USB 5V
Power Consumption	<2w

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Optical Module	
Max. Image Resolution	1920 x 1080 (200M)
Image Sensor	1/2.7" Progressive Scan CMOS
Shutter Speed	1s to 1/100,000s

Field of View	75°
WDR	120 dB
Interface	USB
Power	USB 5V
Power Consumption	<1w

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Environment	
Storage Temperature	-30°C~+70°C
Recommended Operation Temperature	10°C~ 40°C
Operation Humidity	≤95% non-condensing

Notice FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions; (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

Note: This equipment has been tested and found to comply with the limit for a Class A digital device,

pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environmental.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Change or modification not expressly approved by the party responsible for Compliance could void the user's authority to operate the equipment