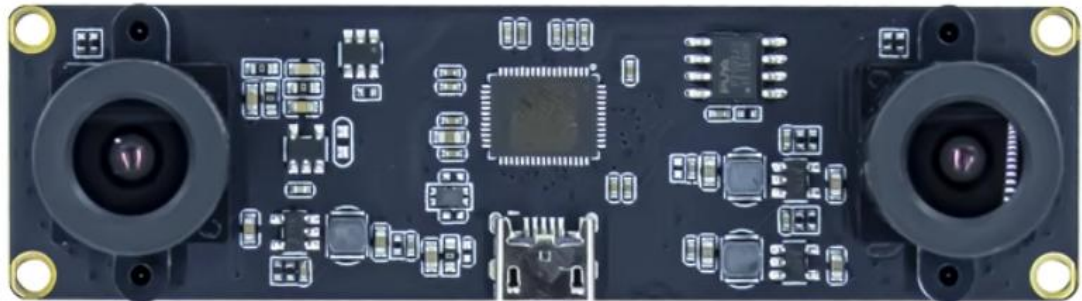


## CKANPLUS Product Catalog

(Model name: *CBF-400R-USB-D*)



### Key Specifications:

Parameter	Value
Module Size	80 mm × 22 mm × 18.50 mm ±0.5 mm
Temperature (Operation)	-30°C to 70°C
Temperature (Stable Image)	0°C to 50°C
Assembly Technique	SMT (ROSH)
Focus	Fixed
Object Distance	30 cm – ∞
Resolution (Optical)	600 LW/PH (Center)
PCB Printing Ink	Black
Interface	USB 2.0
Power Supply	USB bus power
Supply Voltage	DC 5V ±5%
Max Power Consumption	1100 mW
OS Compatibility	Win XP / Win 7, 8 / Vista / Android 4.0 / mac / Linux with UVC
Sensor	OV4689 (1/3")
Sensor Package	CSP, Bare Die
Maximum Resolution	2688 × 1520
Sensitivity	1900 mV / (lux-sec)

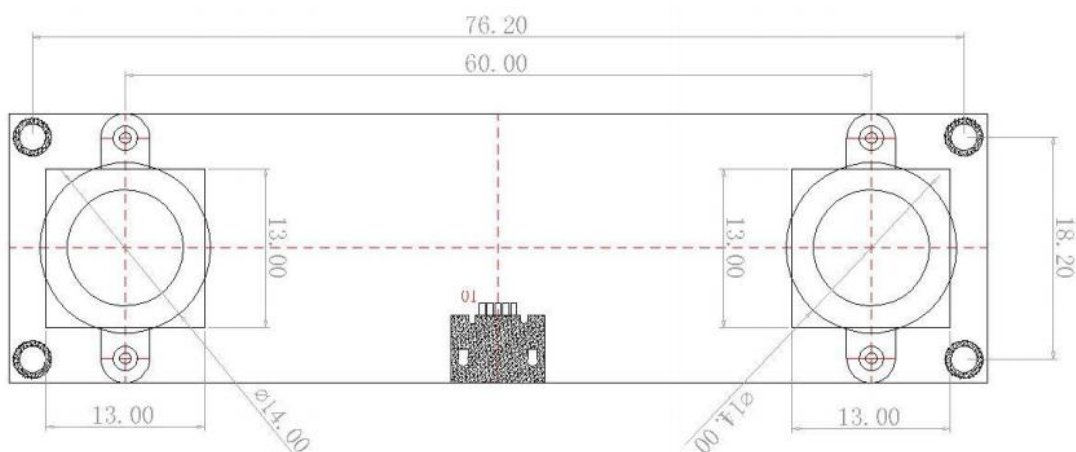
Pixel Size	2 $\mu\text{m}$ $\times$ 2 $\mu\text{m}$
S/N Ratio	38.3 dB
Max Dynamic Range	64.6 dB
Shutter Type	Electronic Rolling Shutter
AGC / AEC / White Balance	Auto
Output Formats	YUY2 / MJPEG
Microphone	No
Lens Construction	2G2P
F/No	2.4
EFL (Effective Focal Length)	3.0 mm
FOV (Field of View)	100°
TV Distortion	<5%
Relative Illumination (Sensor)	70%
IR Filter	650 $\pm$ 10 nm
Module Package	Anti-electrostatic Tray
Synchronized	Yes

#### MJPEG/YUY2 Transfer Rates

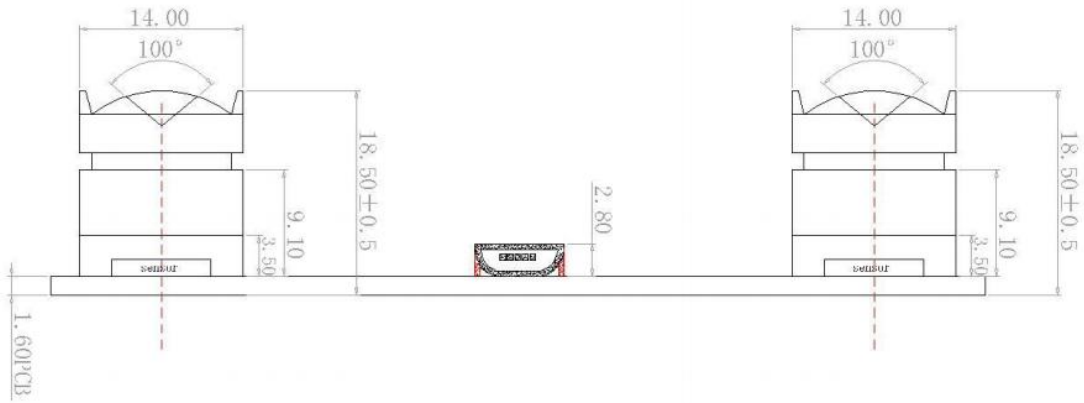
Resolution	MJPEG FPS	YUY2 FPS
1280 $\times$ 480	30	10
2160 $\times$ 1080	30	3
2560 $\times$ 720	30	3
3040 $\times$ 1520	30	1
3840 $\times$ 1080	30	1
3840 $\times$ 1520	30	1

#### Mechanical Dimension:

##### TOP VIEW



**SIDE VIEW**



**BOTTOM VIEW**

