KM256-3.3F1TF Technical Parameters

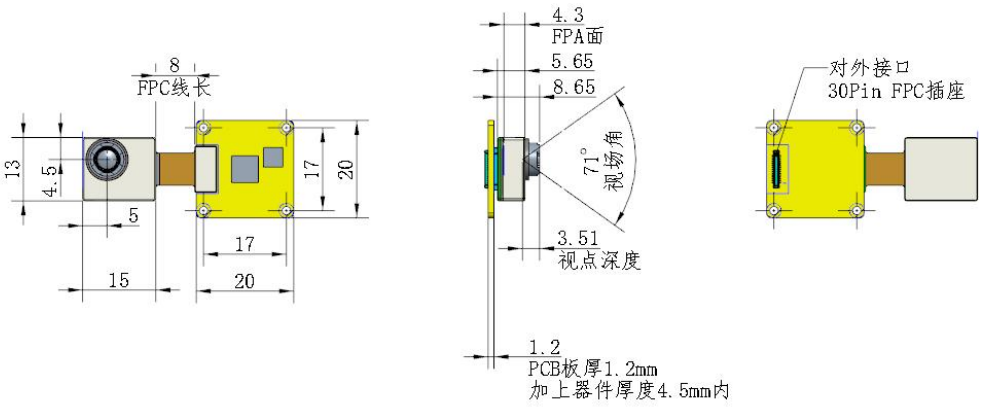
Main features of the module

- High-sensitivity vanadium oxide uncooled detector, resolution 256x192 12um
- The detector adopts WLP wafer level packaging,
- NETD≤50mK@25℃, F#1.0, Configurable up to 50Hz
- Wide observation range, athermal fixed focus lens, horizontal field of view 55°
- Support full screen temperature data output
- Support standard UVC protocol
- Small size (detector module 13.2×15.2mm; processing board 20x20mm)

Technical Parameters

Parameter \ Model		KM256-3.3F1TF
Imaging performance	Sensor type	Vanadium Oxide Uncooled Detector
	Response band	8~14μm
	NETD (noise equivalent temperature difference)	< 50mk(@25°C,F#=1.0)
	Resolution	256×192
	Pixel size	12μm
	Frame rate	50Hz Configurable
Optics	Lens focal length	3.2mm, F1.0
	Field of view	55°x41°
	Focus adjustment method	Athermal fixed focus lens
Temperature measurement function	Temperature measurement range	-20℃-550℃
	Temperature measurement accuracy	±2℃ or ±2% of range (the maximum value)
	Working temperature	-20℃-50℃
Data Output	Data output	Full screen temperature data output
Power supply and structure	Power supply	DC 5V
	Power consumption	<400mW
	Interface	USB2.0 FPC interface

Product images


8
FPC线长
13
4.5
5
17
20
15
20
4.3
FPA面
5.65
8.65
71°
视场角
3.51
视点深度
1.2
PCB板厚1.2mm
加上器件厚度4.5mm内
对外接口
30Pin FPC插座