

UV Series

Multifunctional Thermal Imaging Core Module Specification V1.0



Product Model: UV Series

Technical Features

Model	UV256	UV384	UV640
Sensor Type	Uncooled Focal Plane Array detector (VOx - Vanadium Oxide)		
Spectral Response	8~14um		
Pixel Pitch	12um		
Array Format	256*192	384*288	640*512
NETD	<35mK(f/1.0 50Hz 300K)		
Frame Rate	60Hz		
Digital Image Interface	USB_UVC		
Control Interface	USB		
Key functions	Digital zoom, Pseudo-color switching		
Pseudo-color Mode	White Hot, Black Hot, Sky Palette, Red Hot, Iron Red		
Scene Mode	User, Plain, Forest		
Brightness	Adjustable		
Contrast	Adjustable		
Digital Zoom	Continuous digital zoom from 1× to 8× (0.5× step)		
Shutter Model	With shutter, Automatic shutter activation		
Lid Calibration	Lid Calibration via UART Serial Port Using Host Computer		
Non-Uniformity Correction (NUC)	Calibration via UART Serial Port Using Host Computer		
Power Input	USB(5V)		
Operating Temperature	-30℃~+60℃		
Shock Resistance	1000g		
Lens Options	Optional: 4mm/6.8mm/9mm/13.5mm/15mm/19mm/25mm/35mm		

Secondary Development	Windows, Linux, and Android platforms, SDK with secondary development protocols is provided.	
Dimensions (vary by version)		
Interface Definition		4pin/0.8 Terminal
		1: VCC
		2: GND
		3: DP
		4: DM