

UVL12 Series

Uncooled IR Imaging Module



OPTOELECTRONIC
SYSTEM



NIGHT VISION



SECURITY



CITY SAFETY

UVL12 Series Uncooled Thermal Imaging Core module is developed based on 1280×1024 high resolution infrared detector, featuring supreme high imaging quality and various of functions, it is reliable and stable which fits in different kinds of complex environments, meeting the demands of the users for high definition image, high frame rate and detection in remote distance.

1. Supports 30Hz/50Hz output.
2. Low power consumption and stable performance.
- 3. Supports analog HD and various digital interface outputs.**
4. Supports ethernet interface output.
5. Solar burn protection for infrared detector is optional.
6. Supports zoom lens control and auto-focus.



COMPACT
DESIGN



FINE IMAGING
QUALITY



LOW POWER
CONSUMPTION



EASY TO
INSTALL

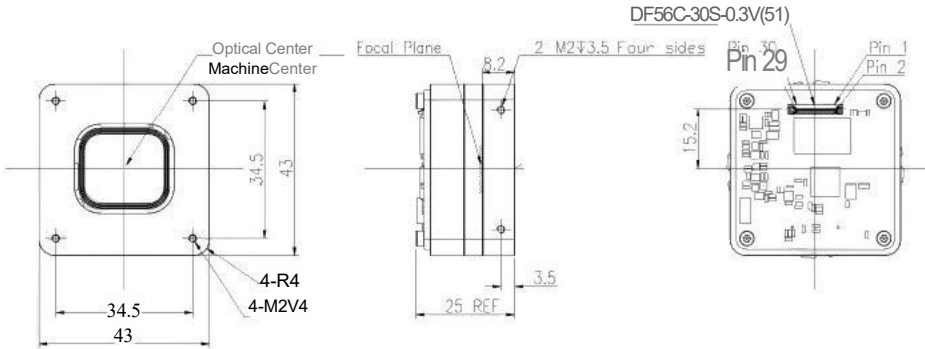


EXTENSIBLE
FUNCTIONS



UVL12 Series Uncooled IR Imaging Module

Model	UVL12
Detector	Uncooled VOx Microbolometer
Resolution	1280×1024
Pitch Size	12 μ m
Spectral Range	8~14 μ m
Frame Rate	30Hz/50Hz
NETD	<40mK (@25℃, F/1. 0, 30Hz)
Thermal Time Constant	<12ms
Image Adjustment	Brightness/Contrast, DDE, DeNoise etc.
Polarity/Palette	White hot/Black hot/Various palettes supported
Digital Zoom	1~8×
HDAnalog Video	AHD
Digital Video	HDMI/MIPI/BT1120/LVDS/SDI/Cameralink/USB3. 0
Communication	RS422 (RS232, TTL optional)
Power Supply	DC9~24V (AHD/SDI) ; DC5V (USB3. 0) ; DC5~12V (Cameralink/MIPI)
Power Consumption	≤1. 6W (@30Hz)
Size(without lens)	≤43×43×25mm (with cameralink output)
Weight	<80g
Working Temperature	-40℃~+70℃
Storage Temperature	-50℃~+80℃
Humidity	0%~90%RH
Vibration	6. 06g, random vibration, all axes
Shock	80g @4ms, final peak sawtooth wave, 3 axes and 6 directions



		1. 7m×0. 5 m		4. 6m×2. 3m	
Lens	FOV	Detecting distance	Recognition distance	Detecting distance	Recognition distance
	1280×1024/12 μ m				
f50mm F1	17. 5° ×14°	2800m	1400m	6400m	3200m
f75mm F1	12. 0° ×9. 0°	4200m	2100m	9600m	4800m
f100mm F1	8. 7° ×7. 0°	5600m	2800m	1300m	6400m
f150mm F1	5. 8° ×4. 7°	8400m	4200m	20000m	9600m
f200mm F1	4. 4° ×3. 5°	11200m	5600m	26000m	13000m