

W Series 6

Multifunctional Thermal Imaging Chip

Specification Version V1.0



Product Model: W640-TIF-K1

Functional
parameter

Model		W640-TIF-K1-9
Lens Parameters	Lens focal length (mm)	9mm
	Angle of field °	46.2*37.7°
	Discovery Distance	900m
	Recognition Distance	225m
	Resolving distance	113m
Detector Parameters	Sensor Type	(Non-cooled focal plane detector) Vanadium oxide
	Spectral response	8~14um
	Pixel	12um
	Array Size	640×512 (effective surface array)
	NETD	≤25mK@25℃,F#1.0,25Hz
	Detector Frame Rate	50Hz
Interface parameters	Analog Image Interface	CVBS (PAL format)
	Interface Specifications	SMD,P=1.25mm-3P
Functional parameter	Color Blending Mode	Glow
	Screen Mode	With gear selection, automatic shifting
Physical characteristics	Power Input	5v~18v
	Working temperature	-20℃~+60℃
	Power dissipation	≤0.8w
	Impact	80g @ 4ms
	Weight	56.5g
	Size (refer to the 2D/3D drawings for exact dimensions)	43.3mm*26mm*35mm

Size Specifications/Interface Definitions

Interface Definition		3-pin/1.25-terminal
		1: CVBS
		2: GND
		3: 5V-18V