

W3 Series

Multifunctional Thermal Imaging Chip

Specification Version V1.0



Product Model: W3-N3-K1

Functional
parameter

Model		W3-N3-K1	
Lens Parameters	Lens focal length (mm)	4mm	9mm
	Angle of field °	59.9*46.7°	28.7*21.8°
	Discovery Distance	400m	900m
	Recognition Distance	100m	225m
	Resolving distance	50m	113m
Detector Parameters	Sensor Type	(Non-cooled focal plane detector) Vanadium oxide	
	Spectral response	8~14um	
	Pixel	12um	
	Array Size	384×288 (effective surface array)	
	NETD	≤25mK(f/1.0 50Hz 300K)	
	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	4.5v~27v	
	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: 4.5 V-27V
		2: GND
		3: CVBS