

P640

Multifunctional Thermal Imaging



Model	P640	
Infrared detector performance		
Packaged type	Ceramic packaged detector	
Resolution	384×288	640×512
Pixel pitch	12μm	
Spectrum range	8μm ~ 14μm	
NETD	≤30mK@25℃	
Image effect		
Frame rate	Analog:25Hz; Digital:50Hz	
Starting time	≤12s	
Palette	13 types option(white&black heat,red iron,lava,light green etc.)	
Image algorithm	NUC/3DNR/DNS/DDE	
General		
Image interface	Analog thermal core: CVBS+USB Digital thermal core: MIPI-CSI+USB/DVP+USB	

Communication	USB+UART
Power supply	DC5V $\pm$ 0.5V (common DC5V)
Power consumption	$\leq$ 1.2W
Size (mm)	25.8mm $\times$ 25.4mm $\times$ 25.4mm(w/o)
Weight	27 $\pm$ 1g (w/o)
Working temperature	-20 $^{\circ}$ C $\sim$ +60 $^{\circ}$ C
Storage temperature	-45 $^{\circ}$ C $\sim$ +65 $^{\circ}$ C
Anti-vibration	Random vibration: 5.35grms, 3 axis
Shock resistance	Half sinusoid: 40g/11ms, 3 axis
Optical lens	
Optional lens	Athermalization: 9.1mm/13mm/19mm/25mm/35mm

