

TC388G|TC688G

Thermal Imaging Cores

TC388G|TC688G are the thermal imaging camera cores with advanced reliable shutter, it can provide stable and high quality thermal images and videos. It can be easily integrated into security and surveillance systems.

Features

17 μ m pixel pitch, NETD<60mK

50Hz imaging frequency, 3s for start-up

Ultra-low power consumption(less than 1.5W)

IVE technology

Customizable interfaces



Applications

Surveillance systems

Thermal image pan & tilt

Remote control system

Vehicle and shipborne monitoring systems



Technical Specifications

ULIRVISION

Item	TC388G	TC688G
Detector Data		
Material	aSi	
IR resolution	384×288	640×480
Pixel pitch	17μm	
Spectral range	7.5~14μm	
NETD/Sensitivity	≤70mK	≤60mK
Lens Data		
Lens(optional)	35mm、50mm、75mm athermal lens, 100mm、150mm motorized lens, 25~100mm、30~150mm、25~225mm continuous zoom lens、60/150mm dual FOV lens(other lens are optional)	
Image Performance		
Image enhancement	IVE image enhancement algorithm	
Frequency	50Hz	
Amplification	2X, 4X	
Polarity/LUT mode	Black hot/White hot	
Startup time	3s	
Image gain	Auto/Manual	
Focusing	Motor	
Cross cursor	ON/OFF	
Image frozen	Yes	
Interface		
Primary electrical	40pin	
Control	RS232	
Analog video output	PAL	
Digital video output	Cameralink、LVCMOS optional	
Keypad	4 button keyboard	
Power System		
Working voltage	DC: +4V~+5.5V(Standard: 5V)	
Power consumption	1.5W	1.25W
Reverse polarity	Yes	
Over&Under voltage	Yes	
Environment Parameters		
Operating	-40℃~+60℃	
Storage temperature	-50℃~+70℃	
Humidity	5%~95%(non-condense)	
Shock	GJB150-16 2.3.1, 100g; 6msec	
Vibration	GJB150-16 2.3.1, 4.3g 3 axes, 8h	
Physical data		
Size	44.5mm×44.5mm×39.5mm	
Weight	≤103g(without lens)	≤100g(without lens)
Mounting	4 x M2×0.4, 1/4" -20	
Packing		
Standard	Thermal imaging core, interface cable, user manual of CD, warranty card, calibration certificate	