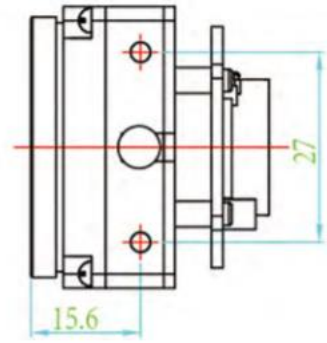
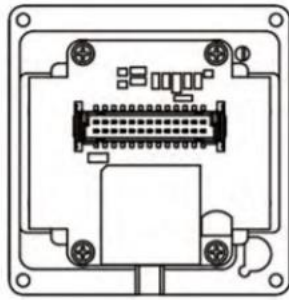
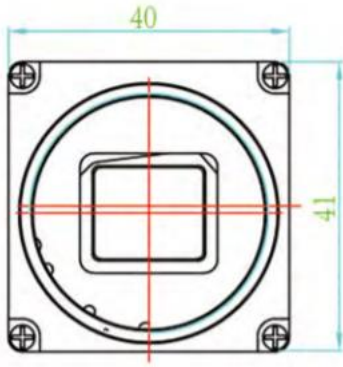


Reliable thermal imaging cores for system integration.

Model:		OT-Core S series	
		OT-Core S384	OT-Core S640
Detector characteristics	Detector type	Uncooled FPA micro-bolometer	
	Array size	<b>384×288</b>	<b>640×480</b>
	Pixel	17um	17um
	Spectral range	8~14um	
	Temp control	TEC	
	NETD	≤60mK (f/1,300K,25-50Hz)	
	Thermal time constant	≤5ms	
Image characteristics	Frame rate	<b>50Hz</b>	
	Display resolution	768×576	640×480
	Analog video output	PAL	
	Digital video (optional)	14-bit/8-bit (BT656)	
	Gain/Brightness adjustment	Manual brightness / Gain; Auto brightness / Manual gain; Auto brightness / Gain	
	Digital zoom	2X, 4X	
	Calibration	Manual and Auto	
System characteristics	Communication protocol	PELCO-D	
	Image filter	YES, Digital filter	
	Polarity inversion	White / Black hot mode	
Power supply	External power	DC 5V±0.3V	
	Power consumption	≤2W(normal atmospheric temp)	
Electrical interface	Power interface	YES	
	Analog video output	YES	
	Serial port	3.3V UART	
Environment	Operation temperature	-40°C ~ +60°C	
	Storage temperature	-40°C ~ +70°C	
	Humidity	5~95%, Non condensing	
	Shock & Vibration	MIL-STD-810F	
	Electromagnetic radiation	CE Class B	
Physical characteristics	Size without lens (mm)	40 W × 41 H × 35 D (mm)	
	Weight	≤76g	
	Lens mount interface	M34 × 0.75, screw thread	
	Mechanical interface	2×M3 four sides, screw hole	
	Electrical connector	26 pins connector (including cable) or optional	



Notes:

- Customization on request.
- Multiple athermal lens or electrical focus (motorized) lens available.