

THERMAL EXPERT™

Uncooled Infrared Camera Core

TE-V2 mini
TE-V2
TE-Q2



TE-V2 mini



Applications



Security



Night
Vision



Thermal
Imager



Drone



	TE-V2 mini	TE-V2	TE-Q2
Detector Type	Micro-Bolometer(Uncooled)		
Array format, Pixel Pitch	640x480, 12 μ m (WLP)	640x480, 12 μ m	384x288, 12 μ m
NETD	≤ 55 mK	≤ 55 mK	≤ 55 mK
Spectral Range	LWIR (8 μ m - 14 μ m)		
Power Consumption	≤ 1.0 W	≤ 0.85 W	≤ 0.5 W
Interface	USB		
Lens	9.1mm f/1.0 13.0mm f/1.0	4.9mm f/1.0 9.1mm f/1.0 13mm f/1.0	5.7mm f/1.1
Frame Rate	9Hz, 30Hz		9Hz
Dimensions (mm)	21 x 21 x 30.3 (9.1mm) 21 x 21 x 32.6 (13mm)	32.0 x 37.0 x 29.5	32 x 32 x 21
Weight	19g	< 40g (13mm lens)	25.5g
Operating Temperature	-40 $^{\circ}$ C to 65 $^{\circ}$ C	-20 $^{\circ}$ C to 50 $^{\circ}$ C	-10 $^{\circ}$ C to 50 $^{\circ}$ C
Storage Temperature	-40 $^{\circ}$ C to 80 $^{\circ}$ C	-40 $^{\circ}$ C to 80 $^{\circ}$ C	-40 $^{\circ}$ C to 80 $^{\circ}$ C