



Thermal FPV camera featuring a VO uncooled IRFPA sensor with 640×512 resolution and 12µm pixel size. Equipped with a 4.1mm focal length lens at f/1.2 aperture, providing 100° horizontal and 82° vertical field of view. Supports both digital and analog video output via CVBS and USB interfaces, with 2D and 3D noise reduction processing. Operates on 5-12V input with 0.5W power consumption. Functions within -20°C to 40°C operating temperature range at 20-95% relative humidity. Compact form factor measuring 42×20×20mm with 30g weight.

Product details	
Model	T640 CVBS+USB (4mm)
SKU	8530
Image sensor	
Sensor	VO, Uncooled IRFPA
Resolution	640x512
Pixel size	12x12 µm
Noise reduction	2D, 3D
Video output	Digital, Analog
Lens	
Iris	F1.2
Focal length	4.1 mm
Horizontal view	100°
Vertical view	82°
Electrical specification	
Input voltage	5 - 12 V
Consumption	0.5 W
Mechanical specifications	
Dimensions	42 x 20 x 20 mm

Weight	30 g
Operating conditions	
Humidity range	20-95% RH (non-condensing)
Operating temperature	-20 - 40 °C
Storage temperature	-30 - 50 °C
Common	
Warranty	2 years

Wiring diagram

