

# PRELIMINARY SPECIFICATION



## Phoenix Thermal Weapon Sight

The Phoenix Thermal Weapon Sight will be a low cost, high performance solution for varmint hunters. Multiple configurations will allow the hunter to configure the perfect sight for the way they like to hunt



### DETECTOR

Detector Type	Uncooled Microbolometer
Resolution & Pitch	640x480 17 $\mu$ m
Spectral Band	8-14 $\mu$ m
Sensitivity (NETD)	<40mK (f/1.0 lens @23C)
Frame Rate	60fps

### OPTICS

FOV	18 deg
Magnification	1x, 4x
F-Stop	f/1.2
Focus	Manual Adjust
Athermalized/IP Rating	Yes/IP 66

### SWAP

Size (WxHxL)	2"x 3"x 5"
Weight	360g

### INTERFACE

Power Input	2 AA Batteries
Video Display	1.5 in Display

### ENVIRONMENTAL

Operating Temp	-40C to 85C
Storage Temp	-45C to 105C

### OPTIONAL MODULES

- WiFi Transmission to Smart Device
- Snapshot Capture to SD Card
- Display Customization - Colorization/Reticle
- Bullistic Calculator
- Rechargeable Battery Module
- Rangefinder
- Switchable Optical Magnification