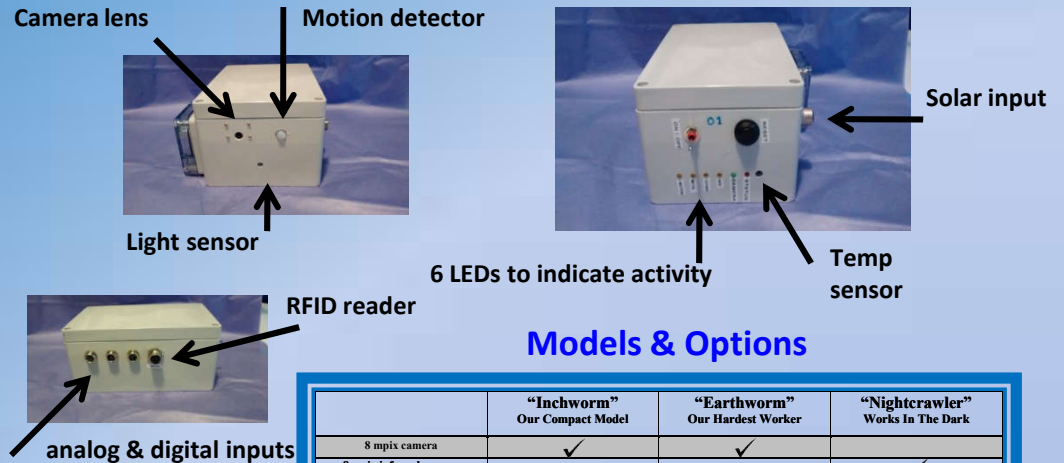


# W.O.R.M.S. (Wildlife Optimal Remote Monitoring System)

Our remote data collection system is designed for rugged use in the field – compact, watertight, silent operation.

## Hardware

- Camera with standard lens. Wide/fish/zoom are optional lenses available for an extra charge.
- Multiple integrated sensors - standard includes : ambient temp, ambient light, infra-red motion detection.
- RFID animal tag reader & metal detector included on other models (see 'Models' table)
- Battery (5V output) – solar and DC recharging.
- Quick-connect inputs for additional external sensors - options are open to your needs
  - analog inputs - e.g. remote temp sensors (placed in nest/den), scale (strain gauge) placed in or under nest/den, other 0–3V analog sensors
  - digital inputs - e.g. trip switch or status indicator for traps.
- I2C BUS is exposed to an external connector. We can integrate I2C sensors (e.g. compass, GPS, weather station, etc.) with a minor software upgrade. All external connectors IP67 (waterproof/dustproof) rated.



## Models & Options

	“Inchworm” Our Compact Model	“Earthworm” Our Hardest Worker	“Nightcrawler” Works In The Dark
8 mpix camera	✓	✓	
8 mpix infrared camera			✓
ambient temp sensor	✓	✓	✓
ambient light sensor	✓	✓	✓
20 ft motion detector	✓	✓	✓
3000 mA battery	✓		
6000 mA battery		✓	✓
2 watt solar panel	✓		
3.5 watt solar panel		✓	✓
RFID tag reader		✓	✓
metal hand detector		✓	✓
aux digital IN (3.3V)	✓	✓	✓
aux digital OUT (5V)	✓	✓	✓
aux analog IN (5V)	✓	✓	✓
charging capability 5V-12V	✓	✓	✓
I2C communication BUS		✓	✓
data recorded to external usb	✓	✓	✓
all data recordable at selectable intervals	✓	✓	✓
OLED display		✓	✓
field and desktop mode		✓	✓
6 LED indicators	✓	✓	✓

Cost (Can\$/unit)	\$999	\$1,440	\$1,440
Approx. cost (US\$/unit)**	\$770	\$1,110	\$1,110

\*\*US\$ prices are for conversion information purposes only, based on the exchange rate for July 5, 2017. All charges will be in Canadian dollars. Discounts are available for bulk orders of 10 or more units. Prices do not include HST & shipping charges.

## Interface

- User-selectable settings, ID labels, triggers & actions.
- Each sensor can be individually turned on/off, with the frequency and interval of readings adjusted.
- USB data storage - easy retrieval/exchange. Each sensor has its own data file (format = CSV) with date/time related readings. Photos named with unit ID, date, time.

## Software

- Software is easily upgradeable and customizable (customized settings read from a text file; defaults copied from internal memory).

## Customizing

- Both the “Earthworm” and “Nightcrawler” units have the ability to add up to 3 additional customized “segments” according to the researcher’s specific needs. Please contact to discuss options. Additional pricing will vary.

**Applications:** wildlife remote monitoring with motion or RFID activated camera, hourly monitoring of weight of nests to record egg growth, weather station, remote sensors can be inserted in limited access locations, water flow rate/temp/ph recorded hourly for river conditions, time lapse recording of temp, light, soil moisture, rainfall with daily growth photos, hourly monitoring of river/lake levels for flood.

For queries and orders please contact the guy who created this can of W.O.R.M.S.:

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