# FirePoint™
# GPS

**RS232**
**USB**

**TETRACAM**

# Tetracam FirePoint™ GPS 100
# Getting Started Guide

Thank you for purchasing the Tetracam FirePoint™ 100 Global Position System.  This system is configured to operate with the following Tetracam systems:

ADC – FirePoint provides GPS coordinates via RS232 input
ADC Lite – Provides GPS coordinates via RS232 input
ADC Air – Provides GPS coordinates to button box RS232 input
ADC Micro – Provides GPS coordinates to button box RS232 input
Mini-MCA – Provides GPS coordinates to button box RS232 input
SensorLink – Provides GPS coordinates to laptop equipped with SensorLink via USB interface which SensorLink uses to trigger Tetracam multispectral imaging system

**FirePoint™ 100 installation and configuration notes:**

**Power:** The GPS module will typically be connected to the same 12 VDC power source as the camera. The GPS module will operate on 7.5 VDC to 30 VDC.

**Baud rate:** By default, the GPS module is configured for 4800 baud.

**Connectors**
There are 3 Connectors to the GPS:
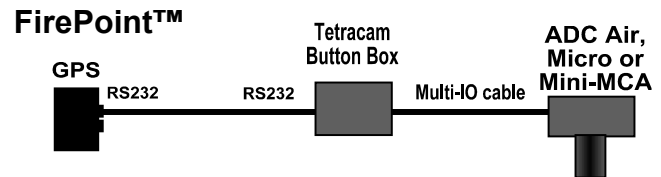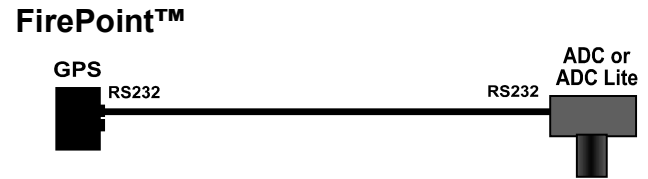
Power: 2.5 mm DC power jack, center positive ⊖—⟨⟨—⊕

3.5mm Phone Jack: RS232 Rx on tip, Tx on ring, ground on sleeve (camera data connection - see GPS Cable.PDF)

Mini USB: For power and data when connected to a PC only, will not work with camera.

**Powering the GPS:**

There are two options to power the GPS

1. Power supply input on the DC Power Jack between 7.5-30V. Positive in the center.
2. Via Mini USB connection (PC connection only).

**FirePoint™**

GPS — RS232 ——————— RS232 — ADC or ADC Lite

**FirePoint™**

GPS — RS232 ——— RS232 — Tetracam Button Box — Multi-IO cable — ADC Air, Micro or Mini-MCA

**FirePoint™**

GPS — USB — Laptop with SensorLink — USB — Tetracam Camera

**Advanced Information**

The following information is for advanced users and is not needed for typical operations with a Tetracam camera:

**PC software for configuring the GPS:**
Windows and Linux USB drivers:
http://www.u-blox.com/en/drivers-a-middleware/usb-drivers.html
Windows GPS management software:
http://www.u-blox.com/en/evaluation-tools-a-software/u-center/u-center.html
Connect GPS to PC via USB and configure the GPS using u-center

**Communicating with the GPS:**
GPS to PC by opening the serial port created by the USB driver.
GPS to camera via RS232 on the Tip pin of the 3.5mm Phone Jack.