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| **Component Name** | **LinkSprite JPEG Color Camera** |
| Description | Color camera that outputs jpeg data over serial |
| Specifications | 1600 x 1200 pixels |
| Power Consumption | 600 mW |
| Dimensions (Length x Width x Height) | 32 mm x 32 mm x [Estimated 20 mm] |
| Weight | 9 g |
| Cost | $54.95 |

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| **Component Name** | **SHT15 Breakout Board** |
| Description | Humidity and temperature sensor |
| Specifications | Temperature range: -20°C to 60°C  Humidity range: 0% - 90% |
| Power Consumption | 1.8 mW |
| Dimensions (Length x Width x Height) | 18 mm x 18 mm x [Estimated 2 mm] |
| Weight | Estimated 5 g |
| Cost | $41.95 |

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| **Component Name** | **BMP180 Breakout Board** |
| Description | Barometric pressure sensor |
| Specifications | Absolute Accuracy Pressure: 300 hPa to 1100 hPa |
| Power Consumption | 3.3 mW |
| Dimensions (Length x Width x Height) | 16 mm x 16 mm x [Estimated 2 mm] |
| Weight | Estimated 5 g |
| Cost | $9.95 |

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| **Component Name** | **ADXL345 Breakout Board** |
| Description | Triple axis accelerometer |
| Specifications | Acceleration Range: ± 16g |
| Power Consumption | 1 mW |
| Dimensions (Length x Width x Height) | 20 mm x 16 mm x [Estimated 2 mm] |
| Weight | Estimated 5 g |
| Cost | $17.95 |

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| **Component Name** | **ML8511 Breakout Board** |
| Description | UV sensor |
| Specifications | Wavelength Detection Range:  280 nm to 390nm  Max Sensitivity Wavelength: 365 nm |
| Power Consumption | 30 mW |
| Dimensions (Length x Width x Height) | 16 mm x 16 mm x [Estimated 2 mm] |
| Weight | Estimated 5 g |
| Cost | $12.95 |

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| **Component Name** | **Kipp and Zonen SP Lite 2 Silicon Pyranometer** |
| Description | Solar Irradiance Sensor |
| Specifications | Field of View: 180 degrees  Spectral Range: 400 to 1100 nm  Detector Type: Photo-diode |
| Power Consumption | 0 mW |
| Dimensions (Diameter x Height) | 52 mm x 34 mm |
| Weight | 150 g |
| Cost | $378.25 |

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| **Component Name** | **SparkFun Venus GPS** |
| Description | GPS receiver |
| Specifications | Accuracy: 2.5 m  Update Frequency: 20 Hz  Memory: Internal flash for up to 75K point logging |
| Power Consumption | 67 mW |
| Dimensions (Length x Width x Height) | 30 mm x 18 mm x [Estimated 10 mm] |
| Weight | Estimated 10 g |
| Cost | $49.95 |

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| **Component Name** | **XTend 900 1W RPSMA** |
| Description | Radio transceiver |
| Specifications | Maximum Range: 40 mile (with high gain antenna and line of sight)  Throughput data rate: 115,200 bps  Frequency: 900 MHz |
| Power Consumption | 4750 mW |
| Dimensions (Length x Width x Height) | 37 mm x 60 mm x 5 mm |
| Weight | 18 g |
| Cost | $194.95 |

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| **Component Name** | **Arduino Mega 2650** |
| Description | Microcontroller |
| Specifications | Number of Digital IO pins: 54  Number of Analog IO pins: 16  Number of UARTs: 4  Clock frequency: 16 MHz  Flash Memory: 256 KB |
| Power Consumption | 1 mW |
| Dimensions (Length x Width x Height) | 102 mm x 54 mm x 15 mm |
| Weight | 37 g |
| Cost | $45.95 |

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| **Component Name** | **L-COM 900 MHz 8 dBi Flat Patch Antenna** |
| Description | Ground antenna |
| Specifications | Gain: 8dBi  Frequency: 902 MHz to 928 MHz  Horizontal Beam Width: 75 Degrees  Vertical Beam Width: 65 Degrees |
| Power Consumption | 0 mW |
| Dimensions (Length x Width x Height) | 216 mm x 216 mm x 30 mm |
| Weight | 450 G |
| Cost | $54.95 |

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| **Component Name** | **SIM900 GPRS/GSM Board** |
| Description | GSM Board for SMS messaging |
| Specifications | Radio Frequencies: 850/900/1800/1900 MHz  Control: AT commands - Standard Commands - GSM 07.07 & 07.05 |
| Power Consumption | 96 mW transmitting |
| Dimensions (Length x Width x Height) | 85 mm x 57 mm x 20 mm |
| Weight | 3.4 g |
| Cost | $25.73 |