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| **m5sCAM720IPT Specifications** | |
| Depth Rating:   * 2,000 Meters | Mechanical:   * Length: 154mm (6.1 in) * Diameter: 80mm (3.1in) * Weight in Air: 0.66kg (1.45 lbs) * Weight in Water: 0.09kg (0.20 lbs) |
| Temperature:   * Operating Temperature: * Storage Temperature: |
| Connection:   * Standard VideoRay 9-Pin Connection * Ethernet * 12VDC * RS485 |
| Communications:   * Video: Ethernet * Camera Control: Ethernet * Servo Control: RS485 |
| Sensor Feedback:   * Internal Pressure/Vacuum Integrity * Internal Temperature * Internal Humidity * Tilt Position |
| Power:   * Supply Voltage: 12v DC * Power Consumption: 57w |
| Features:   * Optical BK7 Glass Dome * Autofocus * Whitebalance Contro * 16x Digital Zoom * 13.19 Megapixel Still Capture | Visibility:   * Internal Tilt: 85 Degrees * Horizontal Field of View: 80 Degrees * Vertical Field of View: |

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| **m5sAHRSD Specifications** | |
| Depth Rating:   * 2,000 Meters | Mechanical:   * Weight in Air: 0.550 KGS * Weight in Water: 0.212 KGS |
| Temperature:   * Operating Temperature: * Storage Temperature: |
| Connection:   * Standard VideoRay 9-Pin Connection |
| Communications:   * Ethernet * RS485 |
| Sensor Feedback:   * 9 DOF IMU * Magnetic compass * Pressure Based Depth Sensor   (100 Bar, with 400 Bar optional) |
| Power:   * Supply Voltage: 12v DC |
| Features: | IMU:   * 0.2 deg Static Roll/ Pitch * 0.5 deg Dynamic Roll/ Pitch * 1.0 deg Yaw * 18 deg/h Gyro Bias Stability |

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| **m5sLED76w60d Specifications** | |
| Depth Rating:   * 2,000 Meters | Mechanical:   * Weight in Air: 0.145 KGS * Weight in Water: 0.088 KGS |
| Temperature:   * Operating Temperature: * Storage Temperature: |
| Connection:   * 5 Pin Male/Female Whip * Stackable with m5 lights and m5 Thrusters |
| Communications:   * All Digital RS-485 Galvanically Isolated Control |
| Sensor Feedback:   * Input Voltage * Input Current Total * Internal Temperature |
| Power:   * 48 VDC Input, 76w |
| Features:   * Hard Anodized, Potted Housing * Individually Controlled Arrays | Visibility (1 Array):   * 60 Degree Spot Beam * 110 Degree Flood Beam |

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| **m5sComm06p Specifications** | |
| Depth Rating:   * 2,000 Meters | Mechanical:   * Weight in Air: 1.19 KGS * Weight in Water: KGS |
| Temperature:   * Operating Temperature: * Storage Temperature: |
| Connection:   * 1 Upstream Connector:   Male 9 Pin   * 5 External Communication Ports: Female 9 Pin |
| Communications:   * Ethernet * RS485 |
| Sensor Feedback: |
| Power:   * 1 Upstream Connector: 12V &24V Input * 5 External Communication Ports: 12v & 24V Relayed |
| Features:   * Supports External Fiber Modem * Both 12V & 24V Downstream Relays Switchable | |

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| **m5sPC420V Specifications** | |
| Depth Rating:   * 2,000 Meters | Mechanical:   * Dimensions: 18cm x 13cm x 4cm * Weight in Air: 1.14 KGS * Weight in Water: 0.55 KGS |
| Temperature:   * Operating Temperature: * Storage Temperature: |
| Connection:   * 8-Pin Male Tether Connector * 1 Accessory Port:   Female 9-Pin Connector   * 2 High Power Ports:   Female 5-Pin Connector |
| Communications:   * RS485 * M100 Long Haul * 2 High Power Ports:   RS485   * 1 Accessory Port:   RS485, m100 Long Haul Pass Through |
| Sensor Feedback:   * Monitors Current * Monitors Voltage |
| Total Power:   * 48V: 1500W * 24V: 300W * 12V: 120W |
| Features:   * Input Voltage Range: 200-420V | Power by Port:   * 2 High Power Ports:   Power – 48V  Power Deliver – 750W   * 1 Accessory Port:   Power – 12V & 24V Input |

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| **m5sThrust750w Specifications** | |
| Depth Rating:   * 2,000 Meters | Mechanical:   * Weight in Air: 0.650 KGS * Weight in Water: 0.330 KGS |
| Temperature:   * Operating Temperature: * Storage Temperature: |
| Connection:   * 5-Pin Male/Female Stackable Connector |
| Communications:   * RS-485 Galvanically Isolated Control |
| Sensor Feedback:   * Input Current Total * Input Voltage * RPM * Internal Temperature |
| Power:   * 48 VDC at 750-Watt Max input |
| Features:   * Several Mounting Options * 90mm Diameter * 3 Blade Propeller with Collet * Instant Reverse | * Direct Drive Brushless Motor * Very Quiet and Smooth Operation * Smooth Start at 120 RPM * No Clogging |

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| **TDS\_400V Specifications** | |
| Slip Ring:   * Waterproof * Rated to 500 VAC/500 VDC * 5 Rings at 6 Amp   (Double for Power Delivery)   * 8 Rings at 2 Amp   (Signal) | Mechanical:   * Weight: 58.5 lbs (No Tether) * 22.50” x 22.43” x 21.25”   (57.2 x 57 x 54 cm) |
| Connection:   * Standard VideoRay 8 Pin Connectors and Locking Sleeves on Both Connectors |
| Tips:   * Male end should have 15 feet of VideoRay Negative Tether between the connector and the slip ring. * Female end should have enough slack to allow for easy connection of tether to reel. | |

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| **Rugged Embedded Computer Specifications** | |
| Operating System   * 10 / 8.1 / 7 | Mechanical:   * Weight: 1.65 KG * 203 x 142 x 66.8 mm |
| Temperature:   * Operating Temperature: -40 C – 70C * Storage Temperature: -40 C – 85C |
| Connection:   * One 3 Pin Terminal Block Connector |
| Power:   * Power Input Voltage 9-48VDC |
| Features:   * Fanless Embedded Computer * Extruded Aluminum with Heavy Duty Metal * Integrated Intel HD Graphics |
| Sensor Feedback:   * Reverse Power Input Protection * Over Voltage Protection * Over Current Protection * Surge Protection |

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| **Power Supply Specifications** | |
| Depth Rating: | Mechanical: |
| Temperature:   * Operating Temperature: -40C – 70C * Storage Temperature: -40C – 85C |
| Connection: |
| Communications: |
| Sensor Feedback:   * Overvoltage Protection * Overcurrent Protection * Line Regulation |
| Power: |
| Features:   * Lowest Acoustic Noise | Visibility (1 Array): |

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| **Display Monitor Specifications** | |
| Resolution:   * 1920x1080 Native Resolution | Mechanical:   * 18.5” LCD |
| Temperature:   * Wide Operating Temperature | Features:   * Wide Viewing Cone * 10 Point PCAP Touch * Front Full Range Diming Pot * High Bright – 1000 nits |
| Connection:   * Front Power and USB Interface Connection * Front Display Port Video Input |