Eye Safe Laser Range Finder (ESLRF):

Condor LRF series are consisted by 1570nm Nd:YAG / OPO eyesafe laser transmitter (Tx) module, APD with time variant gain laser receiver module (Rx), the relative electronic circuits boards, compact mechanical inner structure and rugged enclosure for integration into sensing, surveillance, tracking & weapons stations, and thermal imaging cameras & gimbals; for land, sea or airborne applications; designed to withstand vibration, shock, and extended temperature operation.

Base on customer required, we supply the 1570nm Tx, Rx and relative electronics module and parts, and accept customized rugged enclosure design/manufacture and OEM LRF modules and system assembly & test.

<table>
<thead>
<tr>
<th>Ranging Rate</th>
<th>Single shot to 0.2Hz (max)</th>
<th>To 0.5Hz</th>
<th>To 1Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>≧ 7Km</td>
<td>Condor VII</td>
<td></td>
<td></td>
</tr>
<tr>
<td>≧ 10Km</td>
<td>1.Condor VII-B</td>
<td>2.Condor III-B</td>
<td></td>
</tr>
<tr>
<td>≧ 20Km</td>
<td>1.Condor II-C(SS)</td>
<td>2.Condor III-A</td>
<td>Condor II-C-O</td>
</tr>
<tr>
<td>≧ 25Km</td>
<td>Customer Require</td>
<td>Customer Require</td>
<td>Customer Require</td>
</tr>
</tbody>
</table>

Condor VII & VII-B:

Output Energy (mJ) : ≧6
Ranging Rate (Hz) : Single shot (5/minuite,10max)
Range finding : 100m ~7,000m
                               100m ~10,000m (VII-B)
Range Accuracy(m) : ±2
Laser Safety : Class1 Eyesafe
Power : +12 VDC
Communication : RS422 or RS232
Condor II-C(SS) :

Output Energy (mJ) : ≥8
Ranging Rate (Hz) : Single shot to 0.2Hz
Range finding : 100m ~20,000m
Range Accuracy(m) : ±2
Laser Safety : Class1M Eyesafe
Power : +12 VDC
Communication : RS422

Condor II-C-O :

Output Energy (mJ) : ≥8
Ranging Rate (Hz) : Single shot to 0.5 (max) at 1min “ON” and 1 min ”OFF” of 5 min (max)
Range finding : 100m ~20,000m
Range Accuracy(m) : ±2
Laser Safety : Class1M Eyesafe
Power : +12 VDC
Communication : RS422

Condor II-C(1Hz) :

Output Energy (mJ) : ≥8
Ranging Rate (Hz) : Single shot to 1 Hz at “1 min ON” and “1min OFF” for 5 min (max)
Range finding : 100m ~20,000m
Range Accuracy(m) : ±2
Laser Safety : Class1M Eyesafe
Power : +12 VDC
Communication : RS422
Condor III-A & III-B:

The Condor III-A is an advance Hand-Held Target Locator that can accurately identify enemy position and locations during the day or at night (option). The Condor III-A combines a class I eyesafe laser rangefinder, a digital magnetic compass, an embedded Global Position System (GPS), switchable day or night vision channel (option), SVGA AMOLED binocular eyepiece display and an RS-422 / RS-232 digital interface into a compact lightweight handheld device ideally suited for artillery forward observers, forward air control, mortar launch control observers and long range reconnaissance patrols.

Output Energy (mJ) : ≧8 (III-A) or 6mJ (III-B)
Ranging Rate (Hz) : Single shot to 0.2Hz
Range finding : 100m ~20,000m (III-A) or 100~10,000m (III-B)
Range Accuracy(m) : ±2
Laser Safety : Class1M Eyesafe
Day Camera : HAD CCD, 36X zoom/12 Digital, 440K effective pixels (PAL) Camera
OLED Display: 800 x 600 pixels, pixel size 15 \( \mu \)m
Optical Eyepiece: 10x and FOV 33.9° x 28.5°
DMC Accuracy : ±0.5° (AZ &EL)
GPS Accuracy : ±5m
Power : +12 VDC
Communication : RS422

High Payload Tripod:

Load Capacity: ≧ 150Kg
Movement Pan (AZ) : 180° (AZ)
Movement Tilt (EL) : 35° up & 45° down
Accuracy : 0.5° AZ & EL
HD Day Sight CCTV:

The HD Day Sight CCTV is a high performance motorized zoom lenses with compact, ruggedized, lightweight and provide excellent optical performance, fit most any application within the military or high-end commercial markets; 2.1M 1/3” CMOS sensor with Full HD (1080P) : 1920x1080@30fps.

Imaging Device : 1/3" Progressive Scan CMOS
Resolution : 1920 X 1080P @ 30fps (HD-SDI)
Digital Video Output : BNC Connector HD-SDI X1
Analog Video Output : BNC Connector Composite X1,75Ω
Zoom Lens Ration : 30X
EFL : 10.5 - 310mm
Communication : RS232
Power : +12VDC

Digital Joystick:

The UU-JD-01 offers high mechanical strength for very heavy-duty applications and features a centre detent that provides guaranteed return-to-centre, as well as a positive feel to the operator, throughout 15 million operations.

Size : 100 mm×140 mm×272 mm (W×H×D)
Life Gimble : 15 million operations
Protection : IP67
Power : 24VDC
Communication : USB 2.0, Pelco D
Joystick : Forward/ Backward, LEFT/ RIGHT
Roller : 2 Forward/ Backward.
Button : 2
Switch : 2