

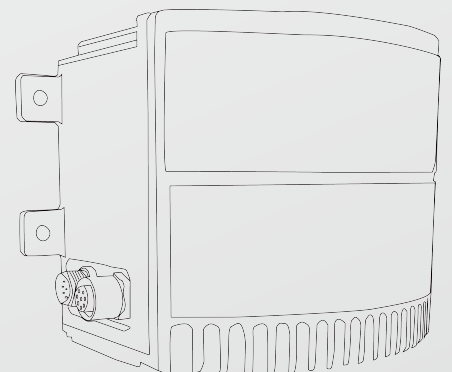


**GENIUS PROS**  
**DEPTH AND MORE**

**NEXT GENERATION SOLID-STATE LIDAR SENSOR**

# GENIUS POWER X- SERIES

WORK OUTDOOR WORK FOR DISTANCE



[www.genius-pros.com](http://www.genius-pros.com)

| PARAMETERS                     | VALUE                         | COMMENTS                                  |
|--------------------------------|-------------------------------|---|
| <b>Sensor</b>                  |                               |   |
| Type of sensor                 | CCD                           | Camera setting dependent<br>(full frames) |
| Maximum frame rate             | 30 fps average up to 120fps   |   |
| Pixel array size               | 1860(h) x130(v)               |   |
| Multi camera option            | Yes, by factory configuration |   |
| External light disturbance     | Up to 100 kLux                |   |
| <b>Optics</b>                  |                               |   |
| Field of view (h) x (v)        | 120°x45°                      |   |
| Measurement range              | 0.5-10m@10%reflectivity       |   |
| <b>Accuracy</b>                |                               |   |
| Absolute accuracy              | 10m ±5cm                      |   |
| Repeatable accuracy            | 1%                            |   |
| <b>Software</b>                |                               |   |
| Dirvers                        | Linux,Windows 7,8,10          |   |
| PC API                         | Open-NI 2.2                   |   |
| Camera Internal API            | Open-NI 2.2                   |   |
| <b>Data Output</b>             |                               |   |
| Distance data resolution       | 16bit/pixel 1mm               |   |
| <b>Housing</b>                 |                               |   |
| Size [height x width x length] | 100mm*90mm*115mm              |   |
| Weight                         | 1.0KG                         |   |
| Material                       | Aluminum                      |   |
| - surface                      | Black oxidation               |   |
| - window                       | Coated acrylic                |   |

■ Strong Scene Adaptability

■ Strict Vehicle Regulation Design

■ interface diversity

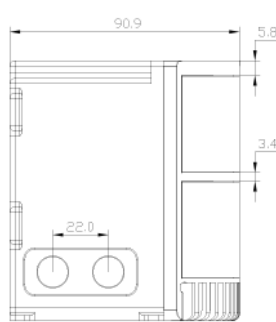
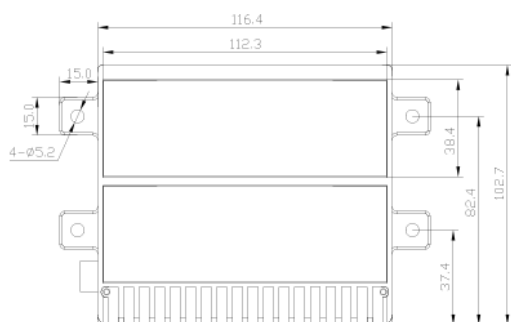
■ Modularity In Design

| PARAMETERS            | VALUE                     | COMMENTS |
|-----------------------|---------------------------|----------|
| <b>Environmental</b>  |                           |          |
| Ingress protection    | IP67                      |          |
| Operating temperature | -30°-+65°                 |          |
| Storage temperature   | -30°-+70°                 |          |
| Cooling               | Passive (Active Optional) |          |
| <b>Interfaces</b>     |                           |          |
| Data interface        | Gigabit Ethernet          |          |
| Power socket          | DC Jack                   |          |
| <b>Power Supply</b>   |                           |          |
| Power Supply          | 12-24V DC                 |          |
| Power consumption     | Mean 15W                  |          |
| <b>Certification</b>  |                           |          |
| Eye safety            | Class I,IEC-60825         |          |

## ToF POWER-X



## Model: **POWER-X**



D  
E  
F

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