

# LR-PILOT R300



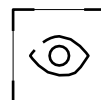
LR-PILOT R300 is a lidar that meets the requirements of vehicle regulations.

It uses a human-eye safe 1550m fiber laser with a maximum detection distance of 500m and a detection distance of 300m for 10% reflectivity targets.

The FOV can reach  $120^{\circ} \times 25^{\circ}$  and the resolution in ROI can reach  $0.06^{\circ} \times 0.06^{\circ}$ .

The ultra-long detection distance and ultra-high resolution make LR-PILOT R300 capable of high-level automatic driving.

The LR-PILOT R300 is capable of escorting advanced autonomous driving.



Eye Safe  
Class 1



1550m



Ultra-long  
detection  
distance



Wide FOV



High  
Resolution



High  
Reliability

## Specification

Laser Wavelength **1550m**

Detection distance **300m (10%Reflectivity)**

Maximum detection distance **500m**

Detection accuracy  **$\leq 3\text{cm}$**

Frame rate **10Hz**

Field of view (FOV)  **$120^{\circ} (H) \times 25^{\circ} (V)$**

Resolution  **$0.12^{\circ} (H) \times 0.24^{\circ} (V)$**

ROI Resolution  **$0.06^{\circ} (H) \times 0.06^{\circ} (V)$**

Size(WDH)  **$242\text{mm} \times 142\text{mm} \times 50\text{mm}$**

Average power  **$< 30\text{W}$**

Operating temperature  **$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$**

Protection level **IP6K9K**

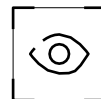
[www.armour.gr](http://www.armour.gr)

# LR-PILOT M200



LR-PILOT M200 Lidar is based on deeply customized oscillator, using human eye safe 905nm laser, integrated with advanced design production process and latest industrial design, detection distance can reach 200m@10%.

The FOV can reach  $120^{\circ} \times 24^{\circ}$ , with an angular resolution of  $0.2^{\circ} \times 0.2^{\circ}$  (up to  $0.14^{\circ} \times 0.14^{\circ}$  within ROI), meeting the needs of driverless, smart city, intelligent transportation and other multi-scene applications.



Eye Safe  
Class 1



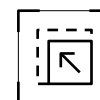
1550m



Ultra-long  
detection  
distance



Wide FOV



High  
Resolution



High  
Reliability

## Specification

Detection distance **200m (10% Reflectivity)**  
Maximum detection distance  **$12^{\circ} \times 24^{\circ}$  (H×V)**  
Field of view (FOV)  **$0.14^{\circ} \times 0.14^{\circ}$  (H×V)**  
Angular Resolution  **$140\text{mm} \times 102\text{mm} \times 50\text{mm}$**   
Blind Area **900g**  
Detection accuracy  **$< 15\text{W}$**   
Frame rate **260m**  
ROI size  **$120^{\circ} \times 24^{\circ}$  (H×V)**  
ROI Resolution  **$0.2^{\circ} \times 0.2^{\circ}$  (H×V)**  
Size(WDH)  **$\leq 0.5\text{m}$**   
Weight  **$\leq 3\text{cm}$**   
Average Power **10Hz**  
Operating Temperature  **$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$**   
Protection level **IP6K9K**