

LiDAR-Camera All-in-One Equipment



LDTelescope® is a suite of roadside sensing equipment that integrates LiDARs and cameras to support full-time, full-area and full-element sensing.

Combined with leading AI perception algorithms, this product supports for traffic object sensing recognition, collision warning, traffic flow statistics, average speed statistics of traffic flow, etc.

Successful cases in testing field, highway monitoring and tunnel monitoring, holographic intersection and other application scenarios.

Highlights

- Support the sensor fusion with LiDAR and camera, 360° HFOV and 90° VFOV coverage
- High accuracy and low latency, real-time output of accurate 3D perception data efficiently
- Various functional scenarios can be supported with a rich object classification
- 24-hour operation, independently of light conditions

Specifications

LiDAR	
Detection Range	~200m
Horizontal FOV	360°
Horizontal Resolution	0.18°
Vertical FOV	0°~ -90°
Vertical Resolution	0.35° (0°~-22.5°) / 2.81° (-22.5°~-90°)










Camera	
Effective Pixels	5 megapixels
Resolution	2560*1920
Diagonal FOV	104.4°

*We can provide customized sensor configurations for different scenarios requirements.



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LDTelescope® Hardware Deployment Solutions

Applicable Scenario	Hardware					Software	Applicable Scenario	Scenario Diagram	Scope of Coverage	System Interface
	LD MEC ECU	LiDAR			Camera					
		Front LiDAR	360° LiDAR	Side-View LiDAR						
City Intersection	1		1		1	LiDAR and camera fusion algorithm	cross/T intersection (no blind spot)		HFOV360° Radius 10-80m	RJ45/HD-MI/USB
	1		1	1	1		cross/T intersection		HFOV360° Radius 80m	
	1		2		1		complex intersections		HFOV360° Radius 80m	
City Road	1	1			1	LiDAR fusion algorithm	straight path		HFOV100° Front 200m	
	1	2					straight and continuous roads		HFOV100° Front 200-400m	
	1		2				straight and continuous multi-lane roads		HFOV360° distance within 280m	
	1	1	1				straight roads + curves		HFOV100° Front 300m	
Expressway	3	3				LiDAR fusion algorithm	tunnel (key section)		HFOV100° Front 450m	
	2		2	2			traffic flow statistic and overload control		HFOV360° Within 280m	



Wechat QR Code

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