

360° 3D Panoramic Driving Radar System



— Model No.: BVA17 HD293D PSA27 AC544 —

STONKAM CO., LTD

Add.: 101, Building 6, No.1 Ruihua Road, Tianhe District, Guangzhou Guangdong, P. R. China.

Tel.: +86 20 6667-0988 Fax.: +86 20 6667-0977

E-mail: sales@stonkam.com

Website: www.stonkam.com



Features

- 1080P high definition fish eye camera input with good real-time display, offering HD and stable images with screen layback down to 150ms
- Automatic calibration can be finished in 1 minute, and it supports automatic plane correction, saving time and effort
- Multiple viewing models, 3D/2D view switching freely
- Video Recording: 2 x 512GB SD cards, supporting ultra-capacitor to secure the video file
- Built-in AI algorithm, integrated with LDW+FCW+both sides BSD 360 degree detection, is able to detect lane departure, forward collision and overtaking/merging around the vehicle, and then to give an alarm.
- 3D effect supports super rearview mirror, fully covering lane, making safer when merging in the high speed
- Quickly and smoothly pop up the single-view image with low latency
- Support RTSP video output
- Compatible with radars and parking sensors, supporting real-time video and audio overlay to actively warn the drivers to avoid obstacles and other potential dangers
- Support IP camera, connect more cameras, provide more views
- External AI pedestrian detection cameras can be connected, with the highest arithmetic power of 8T, which can achieve a full range of vehicle detection, with a detection range up to 10 meters
- Operating temperature -20°C ~ +70°C
- Low-lux night vision: still visible under 0.1lux with no need of Infrared light
- GPS tracking optional

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Specification

360° vision system:

Video input	Max.4CH×1080P@25fps/1080P@30fps
Display mode	2D/3D
Resolution	1080P
Frame Rate	25/30
Storage	Max. 2×512GB SD card
Compressed encoding	Max. 4CH×1080P H.264 encoding
Code stream	4MB/2MB
Power supply	10-32V
Operating voltage range of external trigger signal	10-32V
Operating current	<2A/12V
Operating temperature	-20℃ ~ 70℃
Storage temperature	-40℃ ~85℃
Operating humidity	10%-90%

Radar system:

Operation Frequency	76.00 ~ 77.00GHz
Transmitter Type	FMCW
Power Supply	10 to 32V DC
Detection Range	Detection length limit 0.2~40m, up to 5 detection zones(distance of each zone can be configured)
Detection Zone Visualization	Green (furthest), Yellow(middle), Red (closest)
Detection Tolerance	+/- 15 cm

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Antenna Beam Angle	120° (Horizontal), 14° (Vertical)
Trigger Input ×1	Trigger from vehicle, high active
	Range above +10Vdc, up to supply voltage
Alarm Output ×1	Switched to Ground when activated
	Loading up to 1.0A
Video format	720P 25fps/30fps, 1080P 25fps/30fps
Wi-Fi module	2.4GHz(Optional)
Operating Temperature	-40 ~ +85°C (sensor)
	-20 ~ +70°C (Control Box)
Storage Temperature	-30 ~ +80°C
Waterproof rating	IP69K (sensor), IP66 (Control Box)
Anti-vibration	ISO 16750-3 2012(5.9G)
Dimensions	Sensor: 106.6(W) ×72.9(H) ×34.5(D) mm
	Control Box: 152.6(W) ×89.2(H) ×53.8(D) mm
Weight	158.8Grams (sensor), 240Grams (control box)
Mounting	Two (4.5mm) diameter mounting holes (sensor)
	Four (6mm) diameter mounting holes (control box)

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