



VR30

79GHz Millimetre-Wave Radar Anti-Collision Protection For Barrier Safety



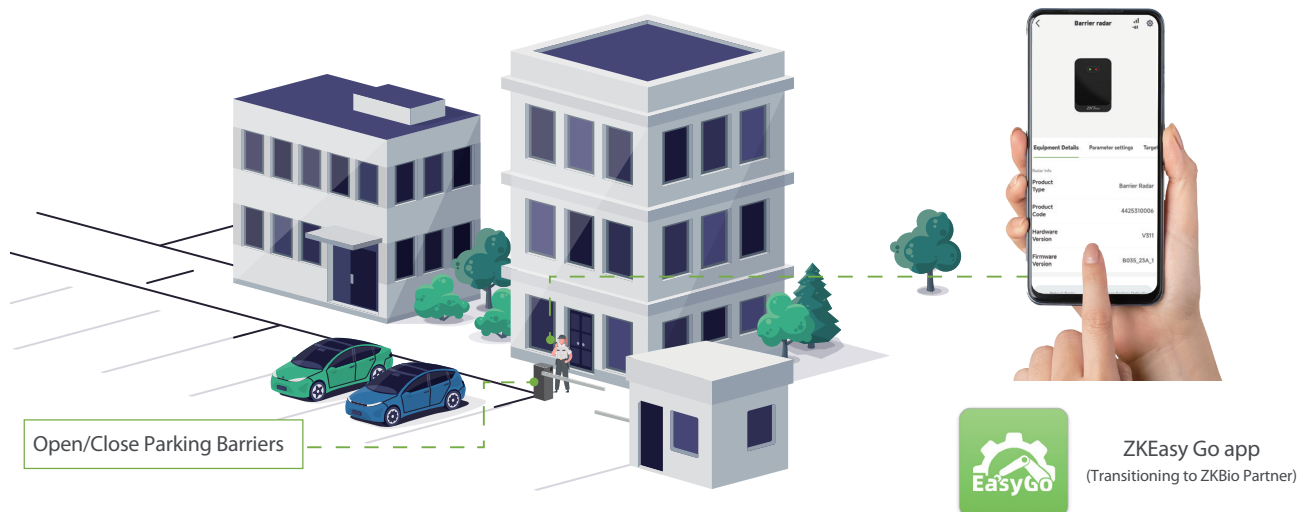
ZKTeco's VR30 deploys advanced 79GHz millimeter-wave radar technology to create an invisible safety zone beneath parking barrier—detecting vehicles and pedestrians with precision to prevent accidents, property damage, and costly collisions.

Features

- Adopts 79GHz FMCW radar technology.
- Adjustable detection range (up to 7m).
- Broad coverage: 120° azimuth FOV (-60° to +60°) minimizes blind spots for single-lane and adjacent area coverage.
- Precise aiming: $\pm 10^\circ$ vertical FOV helps focus on the boom/ground zone and reduce distant clutter.
- Support Online debugging and upgrade via RS-485, Bluetooth and Relay.
- Compatible with multiple ZKTeco's barrier gate.
- Cost effective as it eliminates excavation expenses and future pavement repairs.

Quick Setup with Smart App Integration

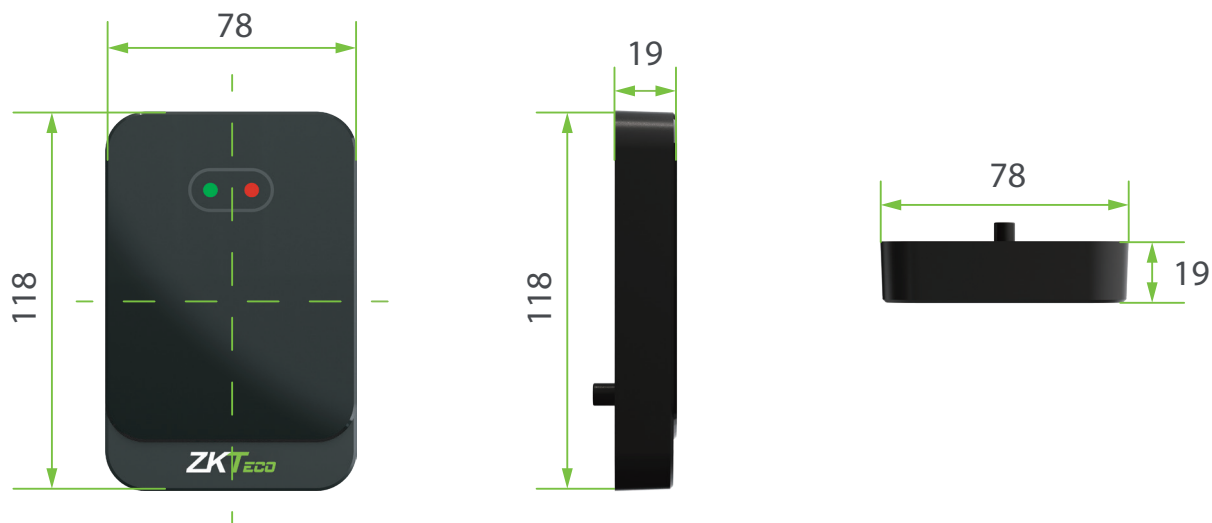
Technicians can configure, debug, and optimize VR30 settings instantly via ZKEasyGo app.



Specifications

Model	VR30
Operating Frequency	79GHz
Modulation Mode	FMCW
Antenna MIMO	2T3R
Transmitting Power	10dBm
EIRP	24dBm
Antenna Gain	14dbi
Azimuth Field of View	±60° (120° total)
Vertical Field of View	Elevation ±10° (20° total)
Maximum Detection Distance	0-7m Adjustable, same for vehicle and pedestrian
Operating Temperature	-40°C to 85°C
Operating Voltage	DC 12V
Power Consumption	≤1.3W
Net Weight	197g
Package Dimension (L*W*H)	133 * 90 * 37mm
Product Dimension (L*W*H)	118 * 78 * 19mm
Online Debugging/Upgrading	Bluetooth, RS485
Supported Software	Apps: ZKEasy Go OS: iOS 12+; Android 10+
Ingress Protection Rating	IP67
Certification	CE

Dimensions (mm)



Application Installation

Please go to the APP Store or Google Play and search "ZKEasyGo" for downloading it.



iOS 12.0+



Android 10+



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