



RDE-04 Processor

Product Overview

The RDE-04 Data Processor by Nanjing Huier Vision Intelligent Technology Co., Ltd. is a high-performance interface device designed to seamlessly connect wide-area radar systems with traffic signal controllers using switch-contact (dry contact) inputs.

It receives real-time vehicle detection data from up to 4 radars via Ethernet, processes and converts it into relay-based switch signals, and outputs them through configurable I/O channels. With a modular I/O design, the RDE-04 supports 16 or 32 output channels, allowing flexible deployment across different intersection configurations—optimizing both installation efficiency and system cost.

Basic Parameters

Dimensions	203.5 × 192.5 × 48.3 mm
Weight	1 kg
Input Interface	Ethernet (RJ45)
Output Interface	I/O
Max Radar Connections	4
Default I/O Channels	16 or 32 channels
Power Supply	DC 24V
Power Consumption	5 W
Operating Temperature	-40°C to +70°C
Operating Humidity	0% – 95% RH (non-condensing)