# CAMEMAKE

## CZCM721s MIPI/DVP camera module test unit



The CZCM721s Camera Module Tester is a high-performance, intelligent camera module tester designed for dual-camera simultaneous testing and high-speed image acquisition. It supports both MIPI D-PHY and C-PHY interfaces, ensuring compatibility with a wide range of camera module chips. The tester features intelligent fan cooling and comprehensive test specifications, making it suitable for various camera module production environments.

Camemake (<u>www.camemake.com</u>) provides the CZCM721s as a device for development and quality control, enhancing its accessibility and utility for businesses and developers in the field.

Shenzhen CZTEK Co., Ltd. (CZTEK), founded in May 2013, is a national high-tech enterprise focusing on semiconductor testing technology innovation. The main products include Semiconductor Testers, Automatic Optical Inspection (AOI) and Precision Detection Equipment, Camera Module Test Devices, and High-Speed Smart Network Cards, which have been commercially applied widely.

### Features

- High-speed MIPI D-PHY interface supporting up to 2.5Gbps per lane.
- MIPI C-PHY interface supporting up to 2.0Gsps per trio.
- Configurable I2C parameters and adjustable sensor input clock.
- Independent adjustable power supplies and current testing channels for each sensor.
- Support for dual-camera operation with flexible channel configurations.

#### **Technical Specifications**

- Dimensions: 130x75x35.8mm.
- Power Input: DC 12V 5A.
- Supports dual-camera simultaneous operation with flexible C/D switching.
- Maximum MIPI D-PHY speed: 2.5Gbps/Lane.
- Maximum MIPI C-PHY speed: 2.0Gsps/Trio.
- Configurable I2C speed: 100kHz to 1MHz.
- Sensor input clock: 0.1MHz to 100MHz.
- Adjustable sensor IO level: 1.8V to 3.3V.
- Independent adjustable power supplies and current testing channels for each sensor.
- RJ45 Ethernet port supporting up to 10Gbps for high-speed data transfer.

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### **Software Functions**

- ALS mode for internal testing and result transmission to PC.
- Heterogeneous mode for partial testing on the device and computation on the PC.
- Acquisition mode for direct image data transfer to the PC.

## Dimensions

