

**CHCN**AV

**C504**

**AERIAL MAPPING CAMERA**



**3D MOBILE  
MAPPING**



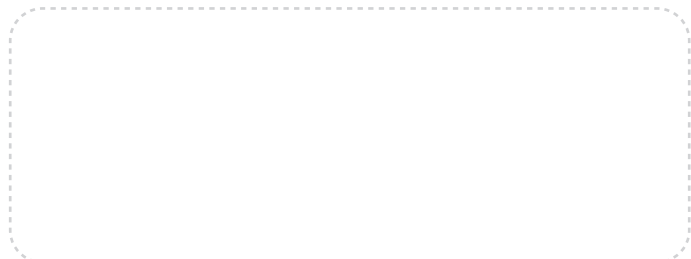
The CHCNAV C504 is a high-efficiency, high-performance, and versatile single-lens mapping camera. Equipped with a 45 MP sensor and a professional-grade full-frame mapping lens, it delivers exceptional image quality and enhances aerial survey productivity.

Designed for diverse aerial mapping tasks including 2D and 3D modeling, object-based modeling, and high-rise urban surveying, the C504 integrates seamlessly with the CHCNAV X500 rotor UAV, forming an all-in-one aerial surveying solution.

Built with a monobloc design, the C504 uses aerospace-grade metal composite materials to ensure both lightweight construction and superior durability. Its rugged housing provides strong resistance against electromagnetic interference, heat, water, impact, UV exposure, and dust, making it highly reliable in demanding aerial mapping environments.

## SPECIFICATIONS

Camera Specifications		GPS Module Storage	8 GB
Dimension(L x W x H)	75.5 × 60 × 107.5 mm (without gimbal) 133.4 × 168.5 × 154 mm (with gimbal)	Image Transmission	HD dynamic bitrate transmission
Weight	Approx. 280 g (without gimbal) Approx. 650 g (with gimbal)	Lens	Standard: 40 mm (customizable to 56 mm)
Ingress Protection	IP53	Aperture	F5.6
Interfaces	Gimbal interface & universal aviation connector	Minimum Focus Distance	20 m
Effective Pixels	45MP	Video Resolution	4K (3840 × 2160), 30 fps
Sensor	Full-frame CMOS, 36 × 24 mm	Gimbal Rotation Range	Pitch: -135° to +60° Heading: ±160° Roll: -90° to +55°
Pixel Size	4.4 μm	* All specifications are subject to change without notice.	
Image Resolution	3:2 (8192 × 5456 px)		
Storage Capacity	512 GB		



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