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ICS 49.020
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HB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HB 8760-2023

General requirements for visual inertial odometry of civilian light and small multi-rotor unmanned aerial vehicle systems

民用轻小型多旋翼无人机系统视觉惯性里程计通用要求

(English Translation)

Issued on: December 20, 2023 **Implemented on: July 1, 2024**

Issued by: Ministry of Industry and Information Technology of the People's Republic of China

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1 Foreword

HB 8760-2023 was issued by Ministry of Industry and Information Technology of the People's Republic of China on 20 December 2023 and has been in force since 1 July 2024.

The HB prefix, without a suffix, marks a mandatory standard: within its scope, compliance is required.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the composition and technical requirements of the visual inertial odometry of the civilian light and small multi-rotor unmanned aerial vehicle system. This standard applies to the design of visual inertial odometry for civilian light and small multi-rotor unmanned aerial vehicle systems.

HB 8760-2023 falls under ICS 49.020, in the field of aircraft and space vehicle engineering.

This catalogue holds 64 other HB standards in that field.

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In this catalogue, HB standards carry edition years from 2012 to 2025.

3 About this standard

Sector: Aviation Industry Standard

Issued by: Ministry of Industry and Information Technology of the People's Republic of China

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

GB 42590-2023 - Safety requirements for civil unmanned aircraft system

GB/T 36258-2018 - Grounds-service connections of aircraft potable water, toilet-flush water and toilet drain

HB 8766-2025 - Test method for electrical performance of composite radome for civil aircraft

HB 8765-2025 - Specification for hydraulic actuator of aircraft flight control systems

HB 8764-2025 - Specification for hydraulic actuator of aircraft flight control systems

5 Classification and status

International classification (ICS): 49.020

Chinese Standard Classification (CCS): V 35

Prefix HB: mandatory standard.

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