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ICS 35.240.50
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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4918.1-2024

Machine Vision Based on Edge Computing - Part 1: Application Scenarios and Business Requirements

基于边缘计算的机器视觉 第1部分：应用场景和业务需求

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4918.1-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 2024.

It is one of 4 parts of the YD/T 4918 series.

The YD/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

This standard specifies the typical application scenarios and business requirements of machine vision based on edge computing, including the sorting out of typical application scenarios of machine vision, the requirements of various businesses for technical capabilities, and normative descriptions. This standard is applicable to the sorting out of application scenarios and business requirements of machine vision based on edge computing, and clarifies the requirements of various businesses for network, computing, storage, etc. in different scenarios, providing a reference for the development of the industry market.

YD/T 4918.1-2024 falls under ICS 35.240.50, in the field of information technology.

This catalogue holds 725 other YD/T standards in that field.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

YD/T 4918.2-2024 - Machine Vision at the Edge - Part 2: Reference Architecture

YD/T 4918.3-2024 - Part 3: Technical requirements

YD/T 4918.4-2026 - Machine vision based on edge computing - Part 4: Technical Requirements and Testing Methods

Standards on related subjects:

YD/T 2583.18-2019 - Requirement and measurement methods of electromagnetic compatibility for cellular mobile telecommunication equipment - Part 18: 5G user equipment and ancillary equipment

YD/T 2653-2013 - Product standard to demonstrate the compliance of short range devices(SRD) and similar applications related to human exposure to electromagnetic fields (1OHz~30MHz)

GB/T 3873-1983 - General specifications for products packaging of communication equipments

5 Classification and status

International classification (ICS): 35.240.50

Chinese Standard Classification (CCS): M 07

Prefix YD/T: recommended standard.

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