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ICS 35.240.50
CCS M07

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4918.3-2024

Machine Vision Based on Edge Computing - Part 3: Technical requirements

基于边缘计算的机器视觉 第3部分：技术要求

(English Translation)

Issued on: October 24, 2024 **Implemented on: February 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4918.3-2024 was issued by Ministry of Industry and Information Technology on 24 October 2024 and has been in force since 1 February 2025.

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 technical requirements for machine vision based on edge computing, including functional framework, edge side functions, cloud side functions, edge hardware performance, network, interface, system function requirements, etc. This standard applies to guiding the design, development and testing of machine vision systems based on edge computing in industrial manufacturing, security, medical care, transportation and other fields.

YD/T 4918.3-2024 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 4918.1-2024 - Part 1: Application Scenarios and Business Requirements

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

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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