

ICS 35.240.50
CCS L67

SJ

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SJ/T 12101-2026

**Technical specifications for industrial AI-based visual online
inspection systems for the electronics industry**

面向电子行业的工业AI视觉在线检测系统技术规范

(English Translation)

Issued on: April 28, 2026

Implemented on: April 28, 2026

Issued by: Ministry of Industry and Information Technology

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Foreword

SJ/T 12101-2026 is a recommended industry standard of the People's Republic of China in the Electronics sector, approved and issued by the Ministry of Industry and Information Technology on 28 April 2026.

Classification: ICS 35.240.50; CCS L67.

1 Scope

SJ/T 12101-2026 specifies the technical requirements for AI-based visual online inspection systems intended for the electronics industry. These systems capture images of electronic products or components during production and use artificial intelligence to judge them while the line is running, so that inspection is carried out inline rather than as a separate manual step. The document addresses the technical specifications of such systems in electronics manufacturing.

Electronics manufacturers, makers and integrators of vision inspection equipment, software suppliers and quality engineers can use it when designing, selecting or accepting these systems. It is a voluntary standard (code with /T). The Ministry of Industry and Information Technology approved it, and it was issued on 28 April 2026, taking effect on 28 April 2026. It is a new standard.