

ICS 35.240.50  
CCS L67

**SJ**

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

**SJ/T 12099-2026**

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**Technical specifications for industrial AI visual appearance  
inspection systems**

工业AI视觉外观检测系统技术规范  
(English Translation)

**Issued on: April 28, 2026**

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### Foreword

SJ/T 12099-2026 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 12099-2026 sets out technical specifications for industrial AI visual appearance inspection systems. Such systems use cameras and artificial intelligence software to examine the outward appearance of manufactured products on the production line and to detect surface and appearance flaws without manual checking. The document describes the technical side of these systems as a whole, from the way they are built to the way they are expected to perform.

It is intended for manufacturers of inspection equipment, system integrators, software developers, factory quality departments and buyers who specify or accept such systems. The standard is voluntary, as shown by the /T in its code. It was approved by the Ministry of Industry and Information Technology, issued on 28 April 2026 and takes effect on 28 April 2026. It is a new standard.