



Supplementary Fig. S1. Composition of equipment for constructing intelligent inspection circuit

Supplementary Fig. S1 shows in detail the type and number of equipment used. We use the constant current dimmer to regulate the current in the circuit. This allows the light to be at different levels of brightness to suit different environmental requirements. The boosting transformer is used to convert the low input voltage to a high voltage to meet the lamp's operating requirements. This ensures the brightness and stability of the lamp. Isolation transformers are used in series to form the suspension circuit for all the lamps. This prevents damage to a single lamp from affecting the entire circuit. The bucket is used to store the isolation transformer, the detection unit and the lamps. The purpose is to avoid damage to the equipment due to external environmental factors. Please note that the lamps are mounted on top of the bucket and one bucket is used in combination with one lamp.