

## ---- Dual Wifi Video Industry Endoscope

**Model: SZY401TW/SZY601TW**

### **technological superiority**

1. Portable design, easy to operate, replaceable rechargeable lithium battery, long working time, check the corrosion, crack, welding, foreign matter, wear and internal parts processing of various industrial pipelines or complex equipment in narrow space, and pass fine comprehensive detection;
2. In line with the ergonomic design concept, the appearance of atmosphere, the use of perfect feeling, one hand control;
3. Various specifications of cameras are optional;
4. It can rotate in two directions by mechanical control, with single side bending greater than 150 degrees, flexible control, labor-saving, high work efficiency and low failure rate compared with electric power steering;
5. USB / WiFi can be used to connect computer / mobile phone / iPad;



### **1.Camera parameter**

model	YKCW40	YKCW60	YKCW60
<b>Insert tube diameter</b>	Φ4.0	Φ6.0	
<b>Pixel</b>	1,000,000 pixels		
<b>Visual Angle</b>	120degrees		
<b>depth of field</b>	10-80mm		
<b>light source</b>	LED light source		
<b>Hard end</b>	16mm		
<b>Length of inserted tube</b>	1.0m		
<b>Insert tube material</b>	Stainless steel wire braid		
<b>Stainless steel wire braid</b>	140°	180°	160°

## 2.probe-oriented parameters

<b>Joystick control and orientation</b>	Two-way steering	<b>Fixed position</b>	Fixed internal resistance
<b>Guide angle</b>	One side > 90 °	<b>Guide distance and length</b>	Standard 1 meters
<b>Axial control</b>	360° axial rotation	<b>Insertion tube</b>	Stainless steel woven belt
<b>System weight</b>	Complete equipment including chassis: 6 kg bare metal:<1kg	<b>Host size</b>	ON
<b>power supply</b>	Lithium battery: 3.7V, 4200 maH	<b>Structural material</b>	Plastic drop PC shell
<b>LCD screen</b>	NO	<b>Dimming</b>	manual adjustment
<b>Data I/O port</b>	USB2.0 port, WiFi wireless connection	<b>RAM</b>	Computer, cell phone storage
<b>White balance</b>	Automatic white balance	<b>White balance</b>	Automatic white balance
<b>Image function</b>	Image mirroring, zooming, preview	<b>language support</b>	Support 7 countries

### 3 , display and system configuration

<b>Host system operating temperature</b>	-10°C~50°C, the LCD panel must be warmed below 0°C	<b>Relative humidity</b>	90% max, no condensation
<b>Video probe operating temperature</b>	-20 °C ~ 60 °C, below 0 °C should reduce the guide operation	<b>waterproof</b>	Probe and objective lens can withstand IP67 waterproof
<b>Storage temperature</b>	-20°C~60°C		



- ❖ **Automobile industry:** the automobile industry is mainly used to detect and diagnose automobile engine, cylinder, oil pressure parts, fuel pipe, feeding and air conditioning system, differential, water tank, oil tank, gear box wear, carbon deposition, blockage and so on.
- ❖ **Aerospace:** aircraft turbine, blade, engine, weld, chamber interior inspection or airframe inspection, and rocket engine development, production and manufacturing.
- ❖ **Industrial casting:** mainly used for quality control in machining process. Such as testing all kinds of parts casting, hydraulic casting, pump body casting, mechanical parts casting, pipe fittings casting units, used to check casting sand, burr and staggered hole conditions and other quality control.
- ❖ **Wind power generation:** equipment detection for nuclear power plants, wind power plants, hydro power plants, thermal power plants and power construction units, such as defect detection, condition monitoring and maintenance of important equipment such as turbines, pipes, condenser pipes, pumps, boilers, heat exchangers, valves, pressure vessels, etc.
- ❖ **Military equipment:** military equipment for detecting barrel, barrel, armored vehicle, etc.

