

## Video borescope

### General information about Video borescope AD-V2004F

#### Application:

- The industrial endoscope is for the inspection of aircraft, turbines, welds, engines, motors and pipes
- Mechanical 360 ° omni-directional bending rotation
- It supports video record, picture snap and waterproof IP 67
- portable and lightweight
- These units feature a insertion tube which view and capture every detail of your inspection with Mechanical 360 ° omni-directional bending rotation.
- The cinsertion tube features a compact (6mm dia) detachable design which is completely waterproof(IP67) and contains 4pcs LED lights to provide consistent illumination.
- The light intensity can be easily controlled to avoid flaring.
- The 3.5" LCD display with control part with video (AVI) and image (JPEG) capture of your inspections saved directly to an SD memory card.
- And the rechargeable Li-ion battery packs provide continuous operation.



## Technical specification of the device:

### The probe:

- The diameter of the probe:  $\Phi 6$
- The pixels: 450,000 pixels
- Bending control: Mechanical 360 ° omni-directional bending
- Angled range: 160°
- View angle: 100°
- The material of the probe: Titanium
- Waterproof: IP67

### The system:

- Insertion tube: Four double-tungsten alloy wire braided tube
- Insertion tube: 1 m
- Illumination: The maximum up to 20000lx, adjustable illumination
- Dimming: manual adjustment--6 levels
- White balance: Auto white balance
- Display: Highlight 3.5-inch display
- Storage Equipment: 8G standard SD card (max 32G)
- The minimum bending degree:  $\geq 150^\circ$
- Video Output Format: NTSC & PAL
- Recording Medium: SD Card (Capacity up to 32G)
- Still Image Storage Format: JPEG (640 x 480)
- Video Recording Storage Format: AVI (320 x 240)
- Language: English + option (Seven language)
- interface: USB ports, TV-out video output interfaces
- working time  $\geq 4$  hours
- Power supply: Rechargeable Li-ion batteries
- Voltage: DC5V, the maximum current 1A

### Operating environment :

- Host system operating temperature:  $-10^\circ\text{C} \sim 50^\circ\text{C}$ , below  $0^\circ\text{C}$  the LCD screen need Preheating
- Video probe temperature:  $-20^\circ\text{C} \sim 70^\circ\text{C}$ , please reduce steering operations when  $\leq 0^\circ\text{C}$ .
- Storage Temperature:  $-20^\circ\text{C} \sim 60^\circ\text{C}$
- Relative humidity: the Max 90%, non-condensing

