

## Waterwell Inspection

### Camera

#### General information about Dual Borehole Geophysical Survey Downhole Imaging Camera Waterwell Inspection Camera System AD-W2067REC

##### The Features:

- ✓ Ø75mm 4-picture CCD dual camera head, 850TVL, 3 side view cameras on side face, one down view panoramic camera on bottom.
- ✓ Ø53mm CCD panoramic camera, 850TVL
- ✓ IP68 waterproof ,up to 200 Bars(20 MPA)
- ✓ 100m-300m polypropylene cable with manual winch
- ✓ Depth sensor, the depth shows on the display, the depth accuracy: 0.01m and it supports depth reset
- ✓ 12inch LCD display
- ✓ DVR control box with video recording & take picture
- ✓ Built-in 500G hard drive without compression save
- ✓ Power supply: DC12V
- ✓ This Water Well Downhole/ Borehole Camera is a great combination of modern technology and affordable price.
- ✓ It is well suited for inspecting various reservoirs, wells, borehole, shafts, pipes, tanks and other objects from the top down.
- ✓ It is equipped with one Ø75mm 4-picture dual camera head and one Ø53mm panoramic camera enabling operators to receive a complete detailed image of the inspection.
- ✓ The Ø75mm 4-piccture dual camera is equipped with CCD sensors and 27pcs high-output long-lasting LED light (the Ø53mm panoramic camera is with 8pcs LED lights)allowing for capturing bright and detailed images even in poor lighting environments.
- ✓ The downhole camera head housing is IP68 waterproof and withstand pressure up to 200 bar in water



## **Other features:**

1-The Downhole Camera features a compact control unit with a high-resolution 12" LCD display.

2-The inspection process can be viewed on the display right on site as video files, image files. All data can be saved on 500G drive without compression save, and can be copied by U disk. The user-friendly interface offers various operation features, such as, the depth sensor, the winch operating knob, rotation control and so on.

3-The system works with dedicated cable of different lengths (from 100m to 300m) that can be securely coiled on an manual winch. Besides inspection findings, users can view depth, the depth accuracy reach to 0.01m and it supports depth reset.

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## Technical specification of the device:

### Dual Camera Head:

- Ø75mm 4-picture CCD dual camera head, 3 side view cameras on side face, one down view panoramic camera on bottom
- Sony 1/3 CCD camera, 850TVL, Sensitivity: 0.1lux
- Imaging perspective: panoramic imaging, vertical down 170 °, horizontal 3 \* 120 °
- Imaging resolution: vertical resolution: 0.1mm, angle resolution: 0.1 degrees
- Lighting source: 27 high brightness LED lights
- Waterproof IP68 Operating depth 200 bars (20 MPA)
- Camera Material: chrome
- Camera Lens Material: Explosion-proof optical glass
- The scope of application: Ø100mm - Ø500mm various types of boreholes, drilling, pipes
- Working temperature: -5 °C ~ 55 °C

### Panoramic Camera:

- Ø53mm panoramic CCD camera head
- Sony 1/3 CCD camera, 850TVL, Sensitivity: 0.1lux
- Imaging perspective: panoramic imaging, vertical down 110 °
- Imaging resolution: vertical resolution: 0.1mm, angle resolution: 0.1 degrees
- Lighting source: 8 high brightness LED lights
- Waterproof IP68 Operating depth 200 bars (20 MPA)
- Camera Material: stainless steel
- Camera Lens Material: Explosion-proof optical glass
- The scope of application: Ø100mm - Ø500mm various types of boreholes, drilling, pipes
- Working temperature: -5 °C ~ 70 °C

### Control Box:

- 12inch LCD display
- Resolution: 1024\*768
- Input voltage: 220V / 12V
- Depth transducer: Connect depth sensor
- Probe Interface: Connect the probe, transmit video and power
- Monitor Interface: connect with monitor
- Recorder Interface, DVR control box with video recording & take picture
- USB Interface, Built-in 500G hard drive without compression save
- Power Indicator
- Power Input the depth reset



### **Manual Winch:**

- Manual winch
- dedicated cable (100m-300m option)
- Pulley: Pulley is with depth sensor, the depth sensor can be used when it is
- connected with the main control box, the depth accuracy reach to 0.01m and it supports depth reset.

### **About the packing:**

- 1 pcs package, wooden box
- Packing size: 97 \* 59 \* 60cm
- Weight: 80KG

