




Qinzhou Flexi Electronic Co., LTD



Device Name	Pan & tilt borehole camera	Equipment Type	FLX-PT2000REC
Waterproof	up to 200 Bars(20 MPA)	Cable length	100-2000meters
Electric winch	The cable speed is adjustable	Camera LED lights & camera's focus	adjustable
			

Product parameters

The Features

- * Ø75mm PT camera head, pan 360° rotation, tilt 180° rotation, camera's LED light & focus are adjustable, stainless steel CMOS camera, 1200TVL
- * Waterproof, up to 200 Bars (20 MPA)
- * 100m-2000m polypropylene cable with electric winch
- * Electric winch winding speed adjustable
- * Depth counter, the depth shows on the display, the depth accuracy: 0.005m and it supports depth reset
- * 12inch LED display
- * control box with video record & picture snap function
- * 16G SD card(max 512G) to storage video
- * Power supply: AC220V

This Water Well / Borehole Camera is a great combination of modern technology and affordable price. It is well suited for inspecting various reservoirs, wells, borehole, downhole, shafts, pipes, tanks and other objects from the top down. It is equipped with a Ø75mm PT camera head enabling operators to receive a complete detailed image of the inspection area. The Ø75mm PT camera head supports 360degree pan rotation and 180 degree tilt rotation, and it is equipped with CMOS sensors and 12pcs high-output long-lasting LED light allowing for capturing bright and detailed images even in poor lighting environments. The downhole camera heads are IP68 waterproof and withstand pressure up to 200 bars in water.

The borehole camera features a compact control unit with a high-resolution 12" LED display. The inspection process can be viewed on the display right on site, captured as video files. All data can be saved on 16G SD card(Maximum 512G). The user-friendly interface offers various operation features, such as, the depth sensor, the winch operating knob, rotation control and so on.

The system works with Ø7.8mm modified polypropylene cables(6 wires inside, which can bear 220KG) of different lengths (from 300m to 2000m) that can be securely coiled on an electric operated reel. The motorized winch allowing for winding the cable up and down with different speeds(when 220V power supply), and the winch also can control by hand. Besides inspection findings, users can view depth, the depth accuracy reach to 0.005m and it supports depth reset.

The borehole camera works on a conventional AC220V power supply(default) or DC12V(optional) or AC110V with a AC110V to AC220V converter.

Product parameters

Features	<ul style="list-style-type: none"> * Ø75mm PT camera head, pan 360 degree rotation, tilt 180degree rotation, camera's LED lights & focus are adjustable, stainless steel CMOS camera, 1200TVL * Waterproof, up to 200 Bars(20 MPA) * 100m-2000m polypropylene cable with electrical winch * Electric winch winding speed adjustable * Depth counter, the depth shows on the display, the depth accuracy: 0.005m and it supports depth reset * 12inch LED display * control box with video recording function * 16G SD card(max 512G) to storage video * Power supply: AC220V <p>Optional functions:</p> <ul style="list-style-type: none"> * Ø90mm pan & tilt camera head (Optional) * Ø75mm / Ø55mm / Ø40mm down view camera head (Optional) * English Keyboard for text input function (Optional)
PT Camera Head	<ul style="list-style-type: none"> * Ø75mm PT camera head, pan 360 degree rotation, tilt 180 degree rotation, LED lights & camera's focus are adjustable * CMOS camera, 1200TVL * Waterproof, Operating depth 200 bars (20 MPA) * Camera Material: 304 stainless steel * Camera Length:30cm * Camera Lens Material: Explosion-proof optical glass * Sensor resolution: PAL 720H×576V NTSC 720H×480V * Camera LED: Front 12 pcs high bright LEDs, eight-level dimming
Down View Camera (Optional)	<ul style="list-style-type: none"> * Ø75mm/ Ø55mm/ Ø40mm down view camera head * CMOS camera, 1200TVL * Camera: Split galvanized iron probe, easy to dismantle * Camera lens: wear anti-reflective resin sheet * Waterproof, Operating depth 200 bars (20 MPA) * Lens Angle view: 130 degree wide-angle * Camera Light: 8-12 high brightness LED cold lights * Sensor resolution: PAL 720H×576V NTSC 720H×480V

Product parameters

	<ul style="list-style-type: none"> * 12" LED display, * Display model 4:3 * Contrast Ratio: 400: 1 * Brightness: 450cd / m * Resolution: 1024 × 768 * Power: DC 12V * Color System: PAL / NTSC / SECAM
The Control Box	<ul style="list-style-type: none"> * Input voltage: AC220V * Depth Interface: Connect depth sensor * Probe Interface: Connect the probe, transmit video and power * Data Interface: Write their own wells pound, self-calibration depth * Winch operating knob(adjusting speed, cable up and down, brake) * Camera rotation control button * LED brightness control button * Video record * Video storage Medium: 16G SD card(Max 512G) * the depth reset
Electric Winch	<ul style="list-style-type: none"> * Electric winch * Power supply: AC220V * Motor: permanent magnet DC motor, * Cable speed adjustable * the camera heads are removable * Φ7.8mm normal polypropylene cable (100m-2000m optional) * Pulley: Pulley is with depth counter, the depth counter can be used when it is connected with the main control box, pulse: 500 * Depth counter, the depth shows on the display, the depth accuracy: 0.005m and it supports depth reset * Split docking probe: easy exchange of different sizes probe
Other Accessories	<p>One Manual, a set of connecting cables, 5 pcs seals, a set of wearing parts</p>
About the packing	<p>wooden box</p>

Product parameters

Pan & Tilt Camera Head:

- 1) Ø75mm Pan & Tilt camera head, CMOS camera, 1200TVL
- 2) Pan 360° rotate endless, tilt 180°
- 3) LED lights & camera's focus are adjustable
- 4) Waterproof, Operating depth 200 bars (20 MPA)
- 5) Camera LED: Front 12 pcs high bright LEDs, eight-level dimming



Product parameters



The 75mm pan & tilt camera with the centralizer

Product parameters



Product parameters

Down View Camera (Optional)

- 1) Ø75mm / Ø55mm / Ø40mm down view camera head, CMOS camera, 1200TVL
- 2) Waterproof, Operating depth 200 bars (20 MPA)
- 3) Lens Angle view: 130 degree wide-angle
- 4) Camera Light: 8-12 high brightness LED cold lights



Product parameters

The Stainless Steel Cable Connector of The Camera Head and The Cable

According to the requirements of Oil well logging industry, the connector adopts axial seal and cross-section seal, three - layer waterproof design, the pressure resistant is 20MPa.



Product parameters

The Control Box with 12inch Screen

- 1) Input voltage: AC220V
- 2) Depth Interface: Connect depth counter
- 3) Probe Interface: Connect the probe, transmit video and power
- 4) Data Interface: Write their own wells pound, self-calibration depth
- 5) Winch operating knob(adjusting speed, cable up and down, brake)
- 6) Camera rotation control button
- 7) LED brightness control button
- 8) HD DVR Video record
- 9) Video storage Medium: 16G SD card(Max 512G)
- 10) the depth reset



Product parameters



Product parameters



The English Keyboard for text input (Optional)

Product parameters

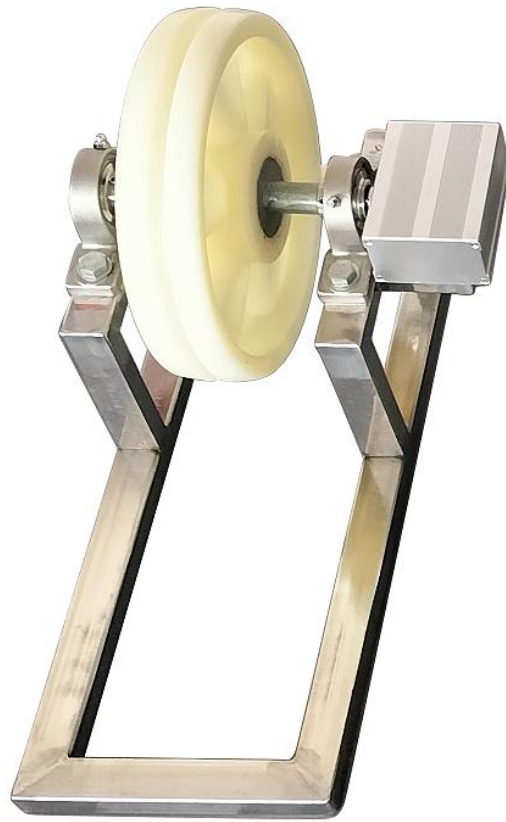
The Electric Winch

- 1) Power supply: AC220V
- 2) Motor: permanent magnet DC motor
- 3) Cable speed adjustable
- 4) the camera heads are removable
- 5) Stainless Steel Pulley: Pulley is with depth sensor, the depth sensor can be used when it is connected with the main control box, pulse: 500
- 6) Depth counter, the depth shows on the display, the depth accuracy: 0.005m and it supports depth reset
- 8) Split docking probe: easy exchange of different sizes probe



The electric winch

Product parameters



The pulley with depth counter

Product parameters



Product parameters



Product parameters



Product parameters

