

User manual-peek

Introduction:

Outstanding IP68 protection range could be capable to operate underwater of 10 meters. Peek main apply to uncomplicated structure pipe or industrial containers for detail inspection included recording video, saving image, generating report even in corrosively gas and corrosively liquid environment. Customer can make a direct decision based on the report.

Highlights

Cameras equipped with 2.13 million pixels
Optimized LED lighting technology

Specification

| | | |
|----------------|-----------------------|--|
| Camera | Sensor | 1/2.8" 2.13MP CMOS |
| | Distinguishability | 1920 X 1080 |
| | Lens | 32X |
| | Special function | Three stream/ image rotation/ motion detection |
| Illuminant | High beam | 10W*2 LED |
| | Low beam | 1W*3 LED |
| Power resource | Battery | DC12V 8000mAh |
| | Working time | Working:8H Standby:20H |
| Extension bar | Length | Adjustable, Standard:7m |
| | Material | High-strength fibre |
| Laser ranging | Measuring distance | 0.9-150m |
| | Accuracy | ±0.6m |
| | Distinguishability | 10cm |
| | Operating Temperature | -15℃-60℃ |
| | Storage Temperature | -25℃-85℃ |
| | Protection range | IP68 |

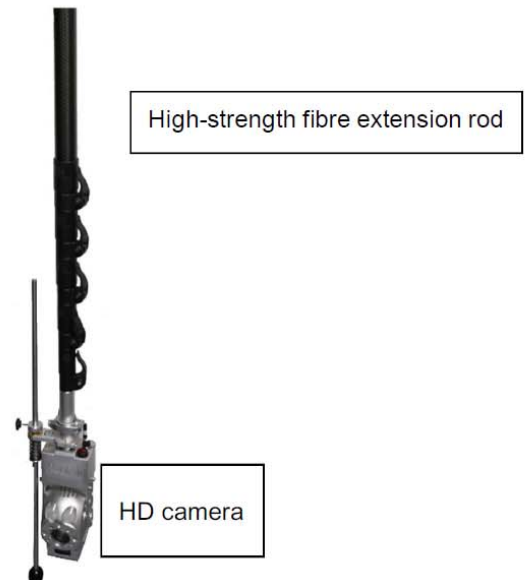
Application

Municipal pipelines inspection: applicable to all kind of municipal pipeline's shift inspection and emergency detection.

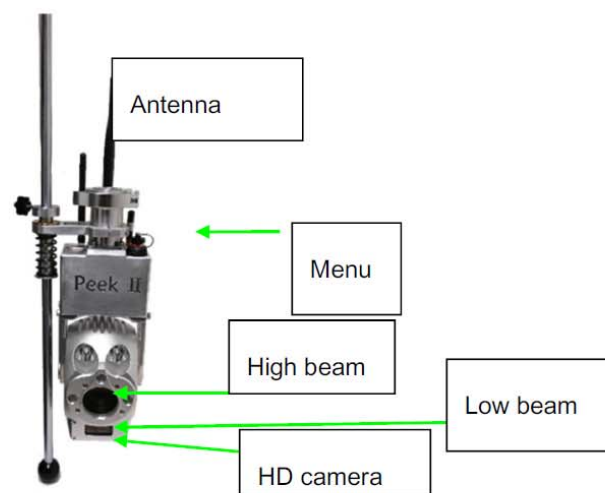
Facilities detection: industrial equipment internals can be detected, eliminate accident hidden danger

Tank car detection: detect the tank car's working status to avoid any damage an risk

System and main component



Detector structures



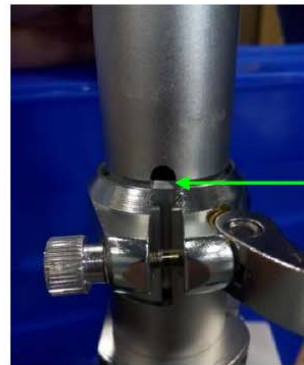
High-strength fibre extension rod

The lightweight telescoping pole high-strength fibre rod is normally 3 meters long(optional 12 meters).It has spring suspension for stability and fine height adjustment

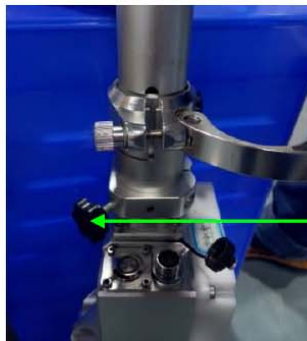
Assembly high-strength fibre extension rod



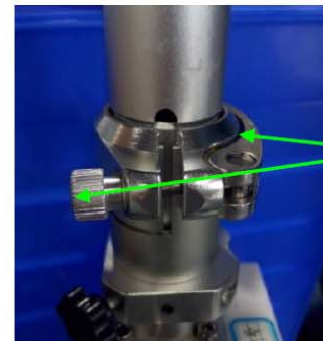
Match snap
joint



Stretch the rod
available



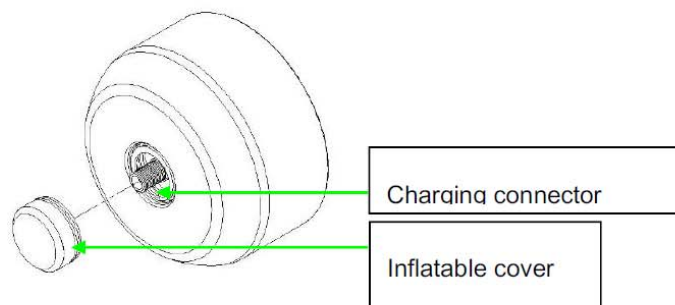
Tightening



Tighten the screws

Inflation Camera pressure

- 1) Once used in inflammable and explosive dangerous situation please according to the requirements that inflate inert gas to the Camera system
- 2) If waterproof requirement is necessary, please filled with helium or dry air
- 3) Pressure limiting device is needed when inflating, no more than 12.5 PSI pressure adjustment
- 4) Once the air pressure in the camera is below or above the prescribed air scope, the control system will be issued a warning. Clients need to cut off the camera module power to ensure the safety of the equipment and personnel.



Charging connector

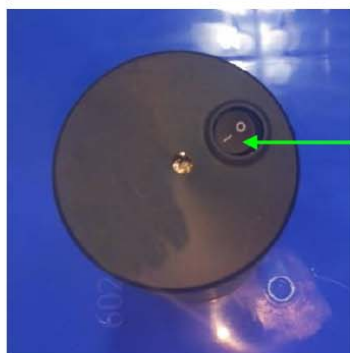
Inflatable cover

Connection of the operating panel and Peek

1. Turn on the power bottom of the operating panel / wireless module /HD camera
2. Open the software on the operating panel and finalize the connection of the camera.



Power bottom



Wireless module power bottom



HD camera power bottom

Noted:

1. Detection environment in more than 10 meters water depth is forbidden
2. Equipment connection process in charging is forbidden.
3. Working in dangerous gases environment is forbidden.
4. Inflating Equipment in working status is forbidden.
5. Once the pressure system is anomaly, it is needed that review and solve the error before working
6. It must be in strict accordance with the specifications and the correct assembly steps
7. It is strictly prohibited to disassembly the equipment. Please inform the manufacturer once have any puzzles. Any unauthorized disassembly and modification will lead to the warranty terms not available.

FCC STATEMENT:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.