



WELL-CAMERA.3

Borehole camera



WELL-CAMERA.3

To minimize weight and space, the Well-Camera.3 **control unit has been incorporated into the camera head cable reel**: just add a USB powerbank or an external 12V battery and a portable PC for data display / recording.

The Well-Camera.3's head **lighting system has been further improved**, doubling the lumens compared to the Well-Camera.1N and Well-Camera.2 models.

The **electronic encoder** is also available as an optional accessory for Well-Camera.3: this useful device gives the possibility to display and record the depth information automatically.

Without the encoder, the operator will be able to read the depth in which the camera head is located directly on the cable graduated in

centimeters; this information can be saved as a voice comment registered on PC.

Well.Camera.3 comes complete with PASI WellCamera Recorder software, USB connection cable for viewing and recording video on any external laptop PC, power cables for external USB powerbank and 12V battery.

Watertight seal up to 35 bar allows use of this camera in wells with a water column up to 350 m.





METHODS WELL-CAMERA.3

- **VISUAL INSPECTIONS
IN WATER WELLS**
- **VISUAL INSPECTIONS IN BOREHOLES**
(SUB-HORIZONTAL/INCLINED UPWARDS)

A COMPLETE WELL-CAMERA.3 SYSTEM CONSISTS OF:

- **Cable reel with camera head** and control unit that includes a dedicated video grabber board
- **USB 2.0 cable for connection to external PC** (Customer supplied) for audio/video display/recording
- **Managing software PASI WellCamera Recorder** (for the control of all functions of the camera and the visualization/recording audio/video to laptop PC of the Customer)
- **Power Cable for external Powerbank USB** (powerbank not included, available as accessory)
- **Power cable for external 12V battery** (battery not included)



 AVAILABLE
MODELS
WELL-CAMERA.3



TEL-601-000	MOD. WELL-CAMERA.3 Borehole TV camera with 100m cable	Reel dim. 26x28x31cm - 8,2 kg
TEL-602-000	MOD. WELL-CAMERA.3 Borehole TV camera with 200m cable	Reel dim. 36x28x31cm - 10,7 kg
TEL-603-000	MOD. WELL-CAMERA.3 Borehole TV camera with 300m cable	Reel dim. 46x28x31cm - 13,6 kg
TEL-604-000	MOD. WELL-CAMERA.3 Borehole TV camera with 400m cable	Reel dim.46x28x38cm - 17,6 kg
TEL-605-000	MOD. WELL-CAMERA.3 Borehole TV camera with 500m cable	Reel dim 46x28x38cm - 20,2 kg

ACCESSORIES

WELL-CAMERA.3



Suspending tripod with standard pulley

Accessory to facilitate the operation of downhole and uphole of the camera head in the borehole

External USB powerbank 5V-2A



Power Cable for External USB Powerbank



Encoder with standard pulley to be fixed to the mouth of the well

Allows the automatic display/recording of the depth at which the camera head is located, keeping it suspended at an adjustable distance from the wall of the well



Encoder assembly for tripod mounting

Allows the encoder fixing to the tripod (to be substituted to the standard pulley)

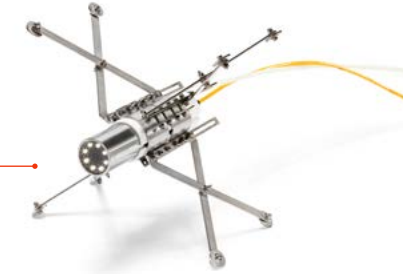


ACCESSORIES WELL-CAMERA.3



ASPO-50/80/100

Roller with 50/80/100m of fiberglass cable + teflon adapter for camera head (Ø 4,2cm x 12cm)



Horizontal centering device for horizontal use - with regulation Ø105-332mm

Protects the camera head from accidental shocks and keeps it centered in the hole



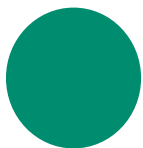
90° View option

To be mounted on the camera head, with or without centering for vertical use; the adjustable mirror allows a lateral view of well walls



Vertical centering device Ø80-260mm

Protects the camera head from accidental shocks and keeps it centered in the hole (other diameter ranges on request)



ACCESSORIES

WELL-CAMERA.3



Carrying case

For cable reel+camera head, available in different sizes according to Well-Camera reel dimensions (from 100 to 500m cable)



External 12V battery connecting cable

It allows you to connect the Well-Camera to any 12V external battery in case of exhaustion of the internal rechargeable battery



Padded shoulder bag

For cable reel+camera head, available in two different sizes for Well-Camera reels with 100 and 200m cable (in alternative to the carrying case)



ES France - Département Bio-tests & Industries
127 rue de Buzenval BP 26 - 92380 Garches



Tél. 01 47 95 99 90
Fax. 01 47 01 16 22



e-mail : bio@es-france.com
Site Web : www.es-france.com

TECHNICAL SPECIFICATIONS

WELL-CAMERA.3

1-YEAR WARRANTY

CAMERA HEAD

Diameter	40mm
Length	150mm
Sensor type	CCD 1/3" in colour
Resolution	700 lines
Minimum light intensity required	0.005 lux @ F 1.2
Lens	2.9mm fixed lens - wide angle 120°
Light type	16x high-intensity LED (max. 400 lumen)
Waterproof protection	IP68, water column of 350m (35 bar)

Technical specifications subject to change without notice



ES France - Département Bio-tests & Industries
127 rue de Buzenval BP 26 - 92380 Garches



Tél. 01 47 95 99 90
Fax. 01 47 01 16 22



e-mail : bio@es-france.com
Site Web : www.es-france.com

TECHNICAL
SPECIFICATIONS
WELL-CAMERA.3

1-YEAR WARRANTY

CABLE REEL WITH CONTROL UNIT

Power supply	Standard 5V @ 2A powerbank – External 12V battery
Digital output	Built-in USB 2.0 for recording directly to external PC, 640x480 recording resolution
Encoder unit of measure	Meters/Feet, User selectable

Technical specifications subject to change without notice



Via Galliani 5/E

10125 Torino - Italy

+39 011 6507033

sales@pasisrl.it

www.pasisrl.it