

TECai



visiobot HD

Duct inspection system



user manual

EN

Original manual translation



introduction



Dear Client:

Thank you for placing your trust in a quality product from TEINNOVA.

This product has been made using modern manufacturing techniques and thorough quality assurance measures.

We strive to do everything we can to make sure you are satisfied with this product and can work with it without problems.

Should you have any questions about this product, please contact your dealer or contact the company directly.

Before starting up the machine, carefully read the instructions for use of your equipment.

Treat this manual as part of the machine and always keep it handy for future reference.



Training service

Our training services have been designed to support our clients in achieving their goals and together we will develop training programs that fit your strategy.

We offer the option of providing companies with specific training in the use of our equipment and to educate their operators so they perform the best service and thus contribute to the success of their final customers. Aspects such as knowing how to prepare a good, objective, quotation, to respond to specific problems that may arise, or to offer a more professional and efficient service.



Technical service

Because we manufacture our own cleaning equipment we can continuously control the quality and performance of every machine we make, and this is why we have very low repair ratios, and repairs have always been solved by our in-house Technical Support Service, managed by the same team as the factory, and to do it quickly. We have all kinds of spare parts for your equipment, as well as related accessories.

teinnovacleaning.com

☎ 902 885 955

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symbols used

All the symbols used in this manual, as well as those on the equipment, are explained in this section. It is important to read the text associated with these symbols carefully, since it is about personal safety and equipment safety.



DANGER!

This symbol warns you of a potentially dangerous situation which could result in serious injury or even death if the instructions given are not followed properly. Make sure you read all the instructions in the "Safety information" section.



WARNING!

This symbol warns you of a potentially dangerous situation that could result in minor or moderate injury, or property damage resulting in injury to people if proper instructions are not followed.



CAUTION!

This symbol warns you of a situation that may cause damage to property, without causing injury, if the instructions given are not followed properly.



IMPORTANT!

This symbol alerts you to information about the best way to use the equipment avoiding any possible improper operation.





safety warnings

- The VISIOBOT HD equipment should NOT be used for anything other than the uses given in this instruction manual.
- Make sure all the electrical connections are correct before starting the equipment.
- Make sure your VISIOBOT HD is placed on a flat and stable surface.
- Everybody who uses the VISIOBOT HD equipment must be properly prepared.
- We recommend wearing gloves for mechanical protection and an overall when operating the equipment.
- Use of full-face protection equipment is compulsory to avoid any possible splashes getting into the operator's eyes.
- Comprobar el tipo de enchufe antes de conectarlo a la red eléctrica.
- To avoid electric shock, never allow the equipment to be exposed to rain. Store the equipment indoors in a cool, dry place.
- Anchor your VISIOBOT HD properly during transport.
- Do not disassemble your VISIOBOT HD equipment, nor tamper with any of the internal parts of the equipment. In the event of a fault, contact the TEINNOVA Technical Assistance Service on +34 941 44 50 56.





conditions of use

VISIOBOT HD has been designed to help the user as much as possible when carrying out technical inspections inside air conditioning or ventilation ducts.

All this technology is integrated into a compact, very strong and durable, lightweight carrying case. It can be used where there is no mains electricity available, because it has a long battery life.

View, record and edit high resolution colour images.



Any other use is strictly prohibited without the written permission of the manufacturer.





know your machine

Features:

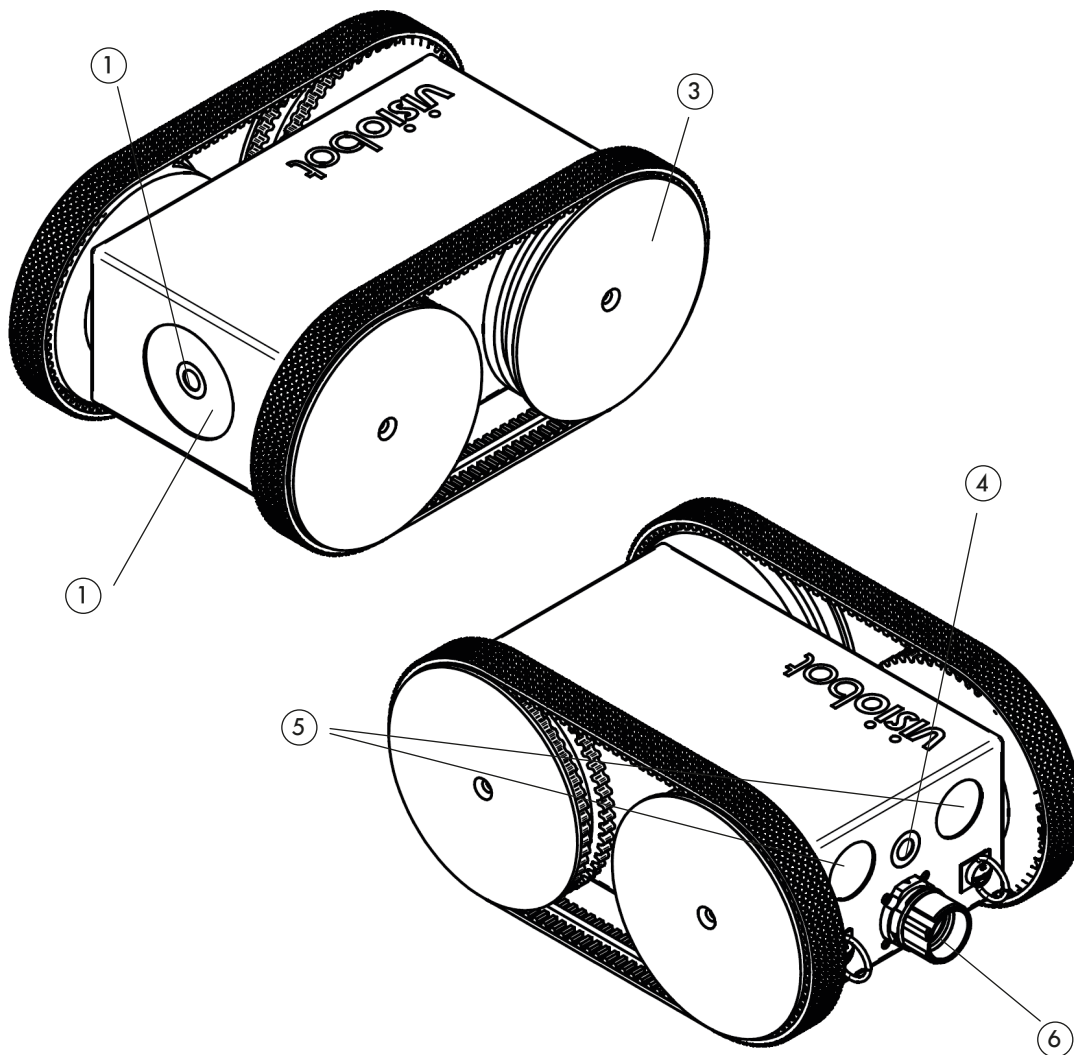
- Twin front and back high resolution cameras.
- High intensity LED lighting, with adjustable brightness.
- Built-in video recording with a slot for an external storage device.
- Tractor with robust chassis and Tractor with robust chassis and traction through high grip belts controlled by speed-adjustable joystick.
- 9.7" IPS screen built into a strong and durable monitor.
- High autonomy thanks to rechargeable battery. Charge status indicator.
- 20 meter long cable with reel built into the case.





Tractor Components:

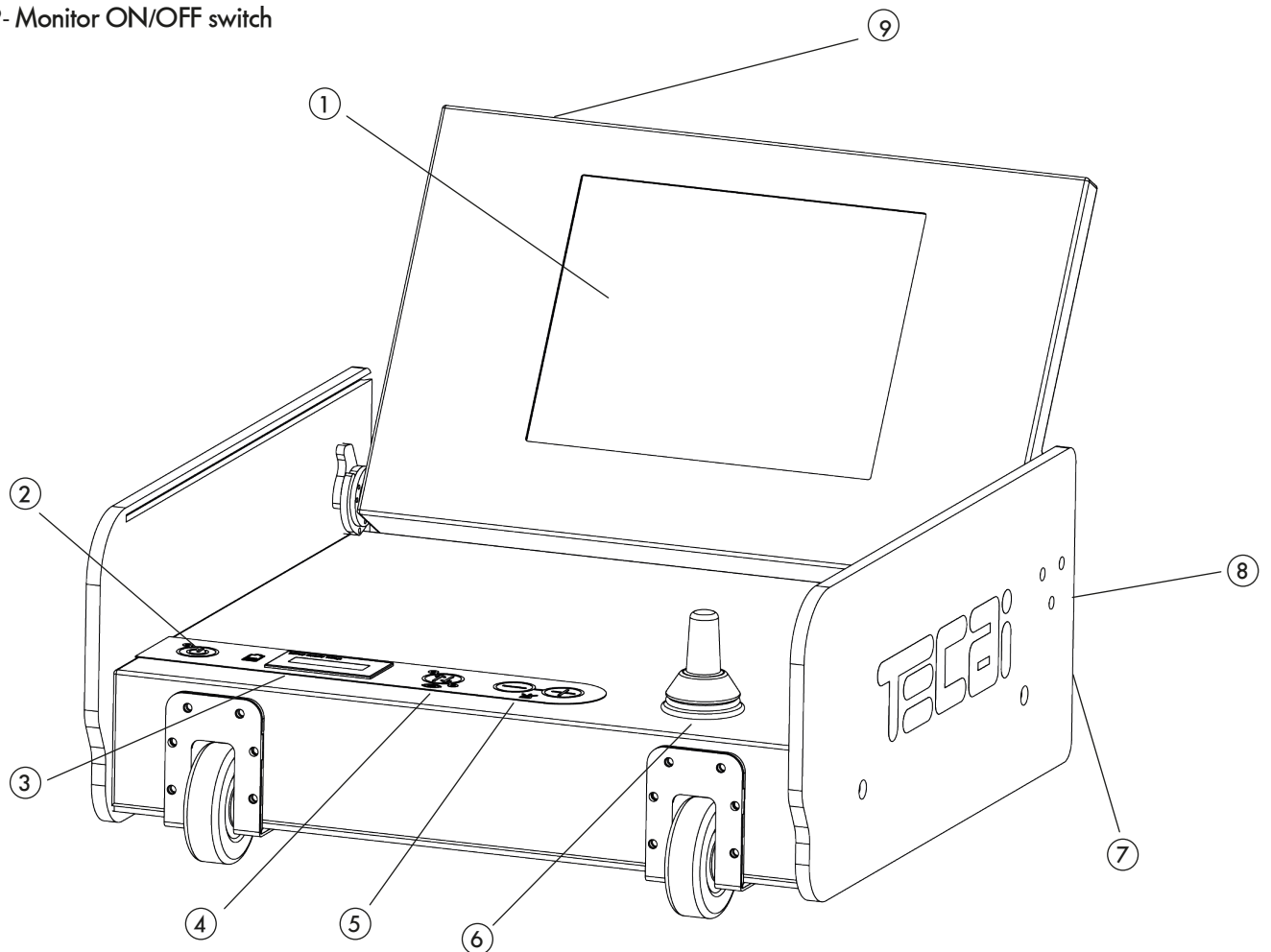
- 1- High resolution colour front camera
- 2- LED lighting ring
- 3- Independently driven wheels x4
- 4- High resolution colour rear camera
- 5- LED lighting bank x 2
- 6- Control case connector





Control Panel Components:

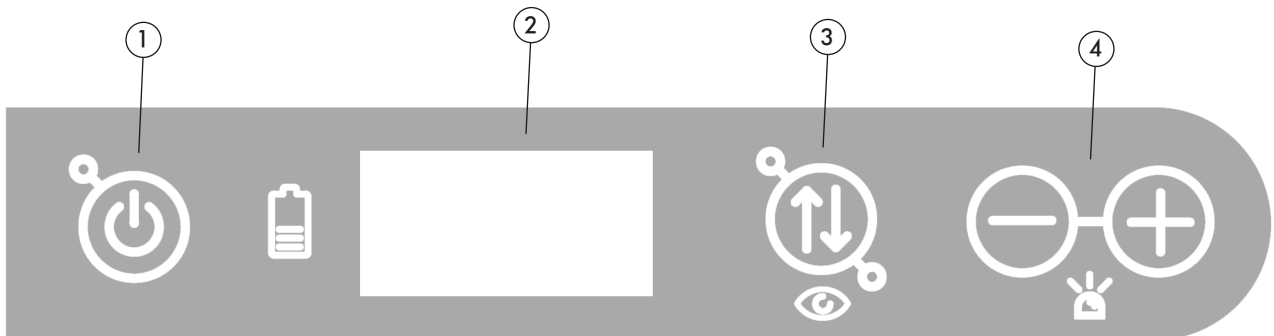
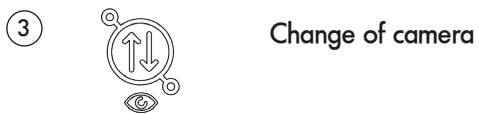
- 1- 9.7" IPS Screen
- 2- ON/OFF switch
- 3- Battery charge level indicator
- 4- Change camera
- 5- Lighting brightness control
- 6- Control joystick
- 7- External storage device slot
- 8- Connector
- 9- Monitor ON/OFF switch





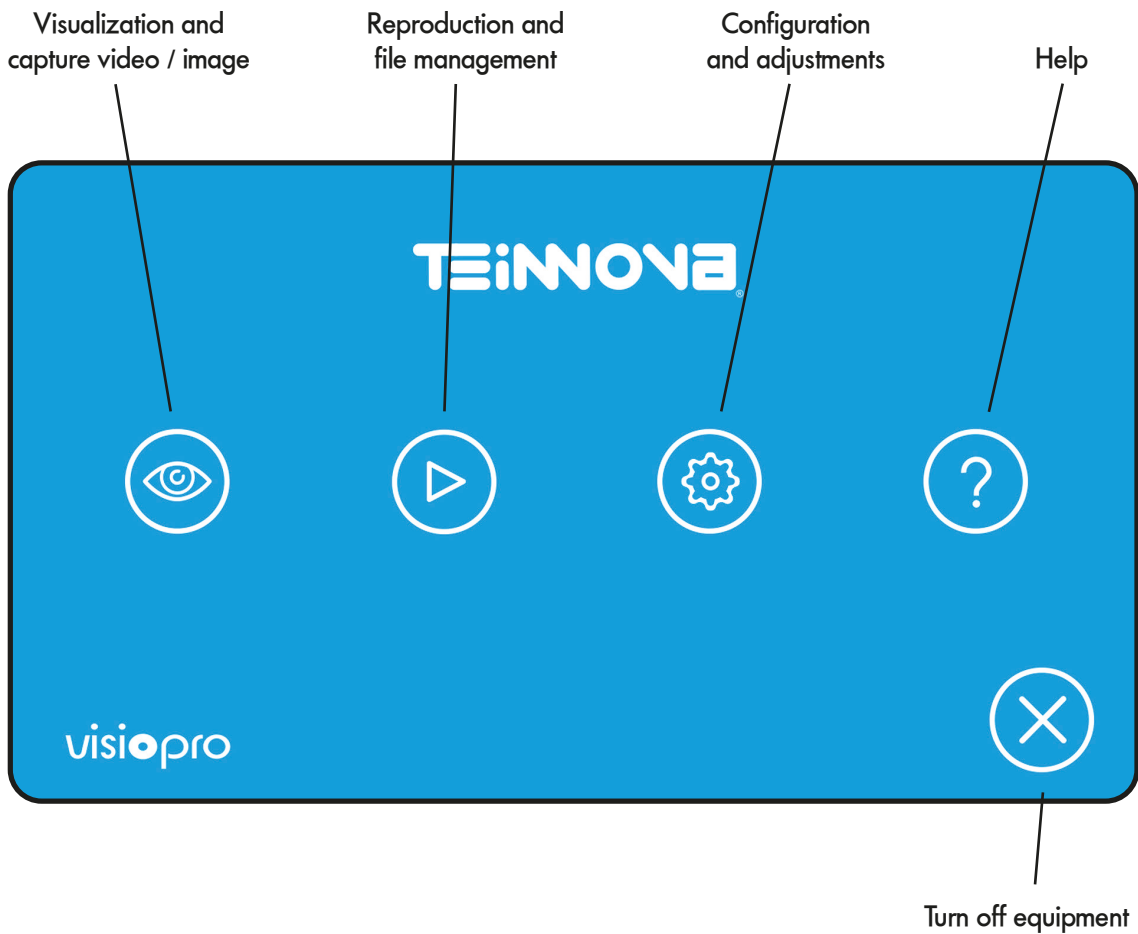
control panel

Main Control Membrane Panel:



operating instructions

Main menu screen:



operating instructions

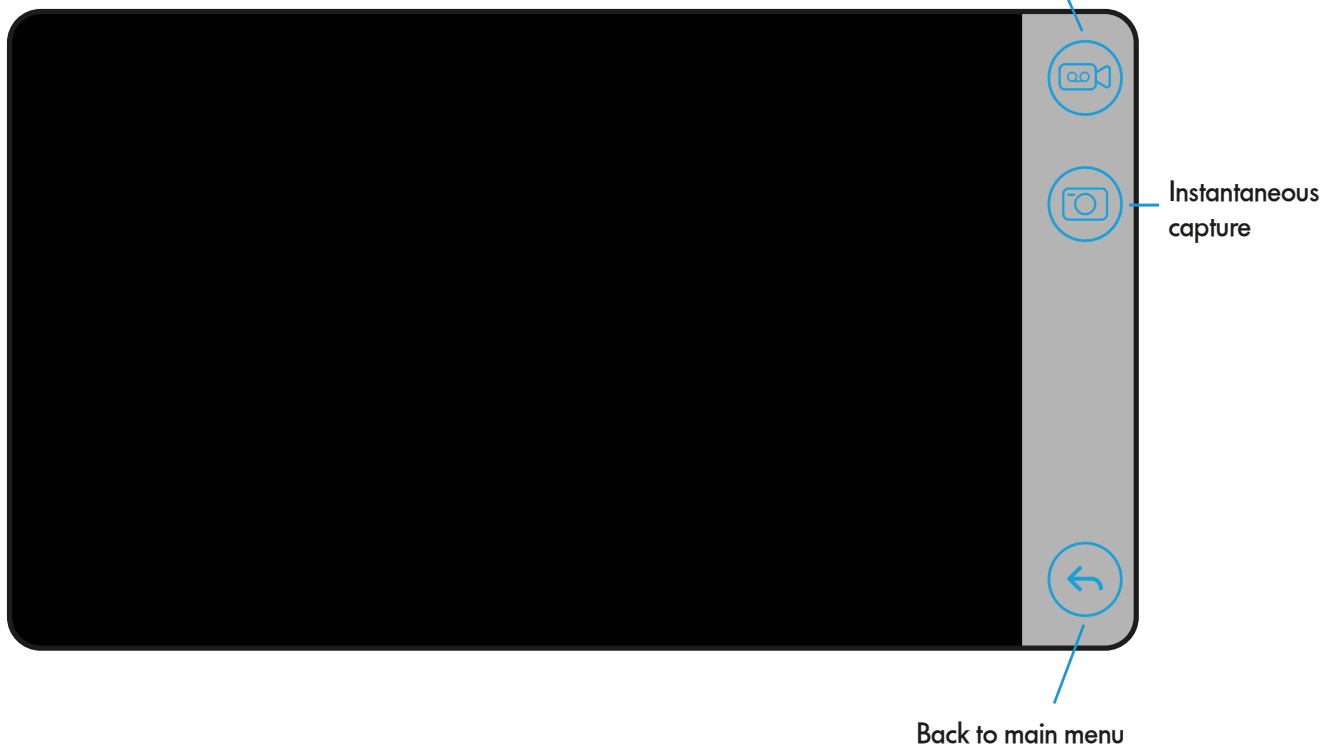
Viewing and capturing video / image:

- Start video recording

- Video Capturing

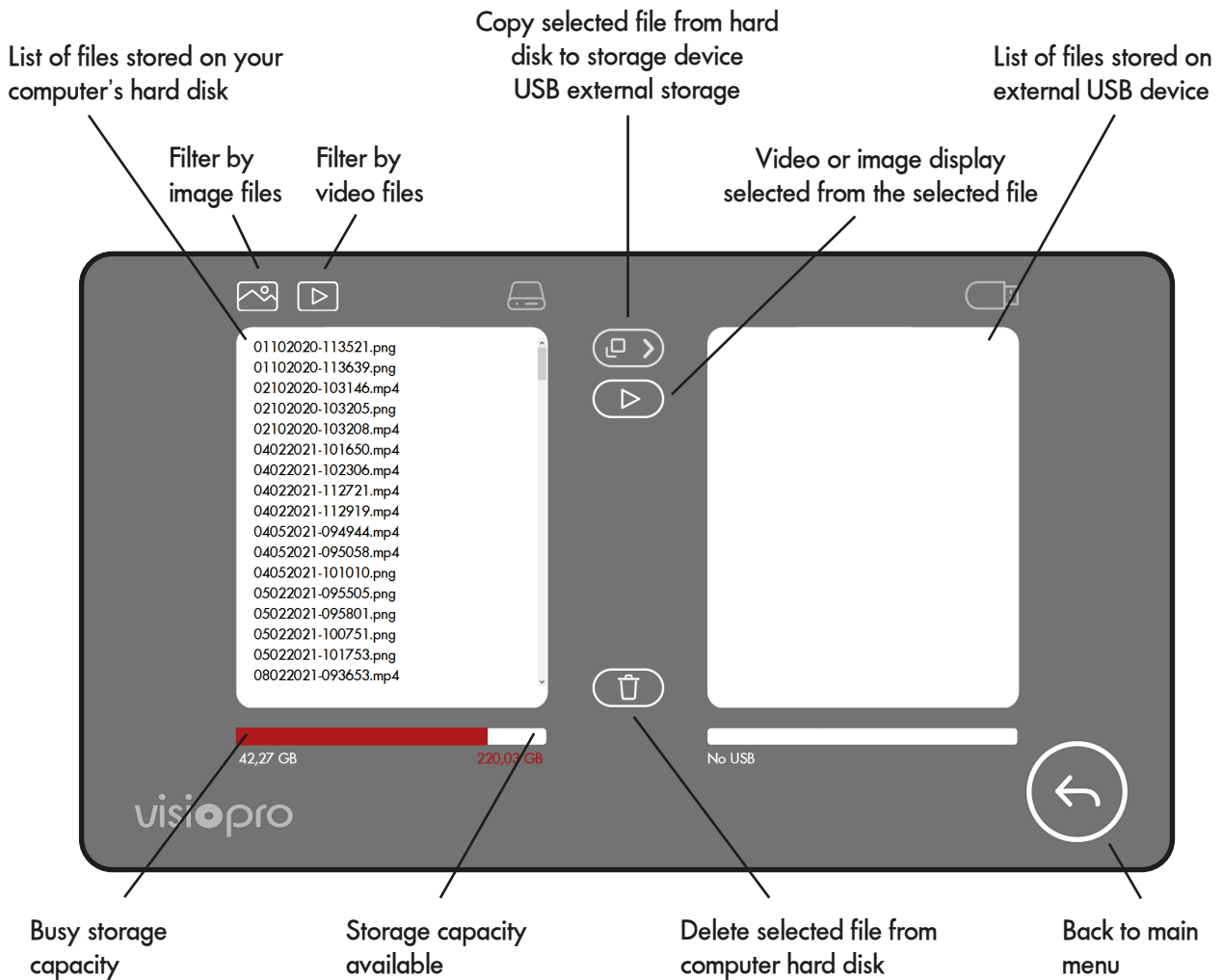


- Press again to end the recording



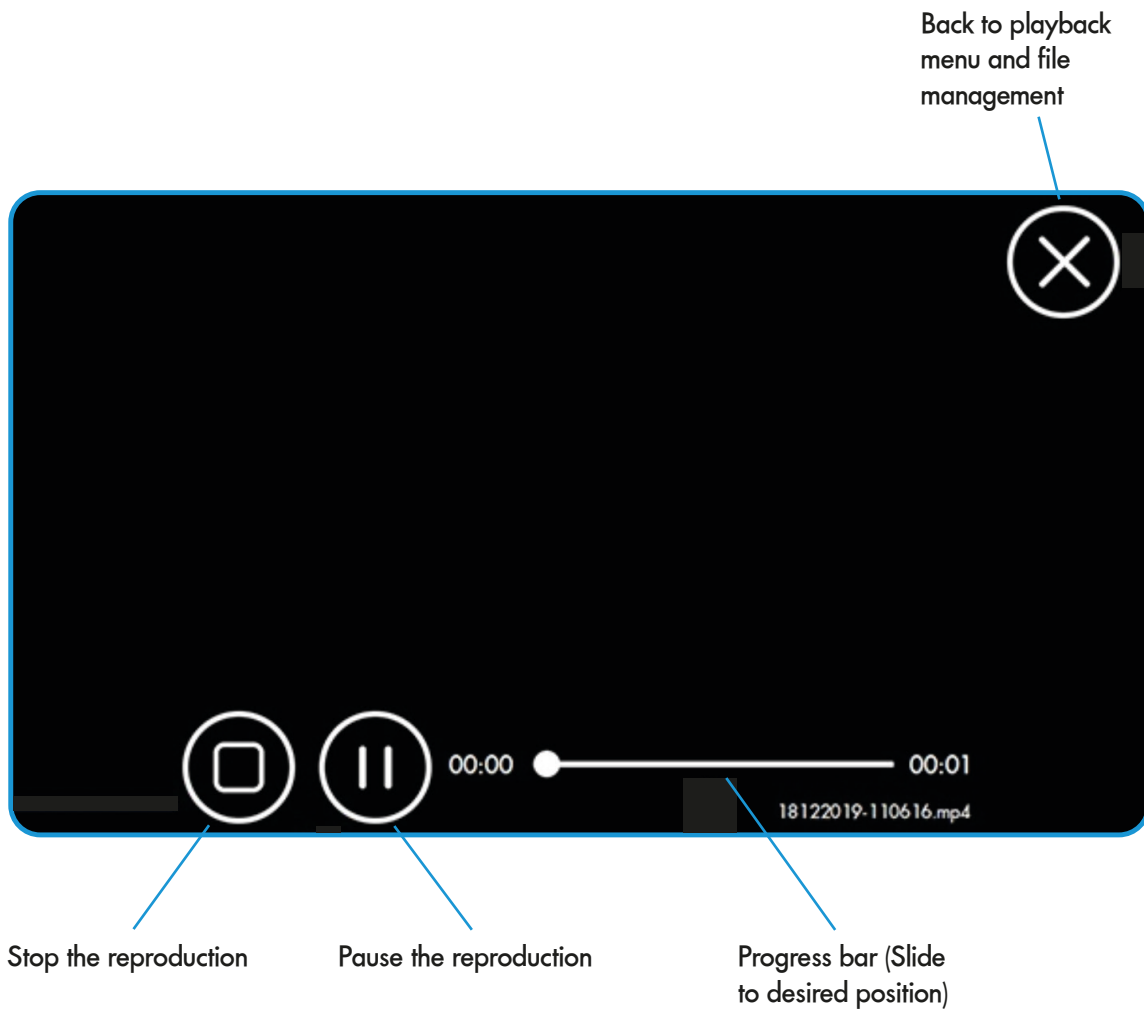
operating instructions

Playback and file management:



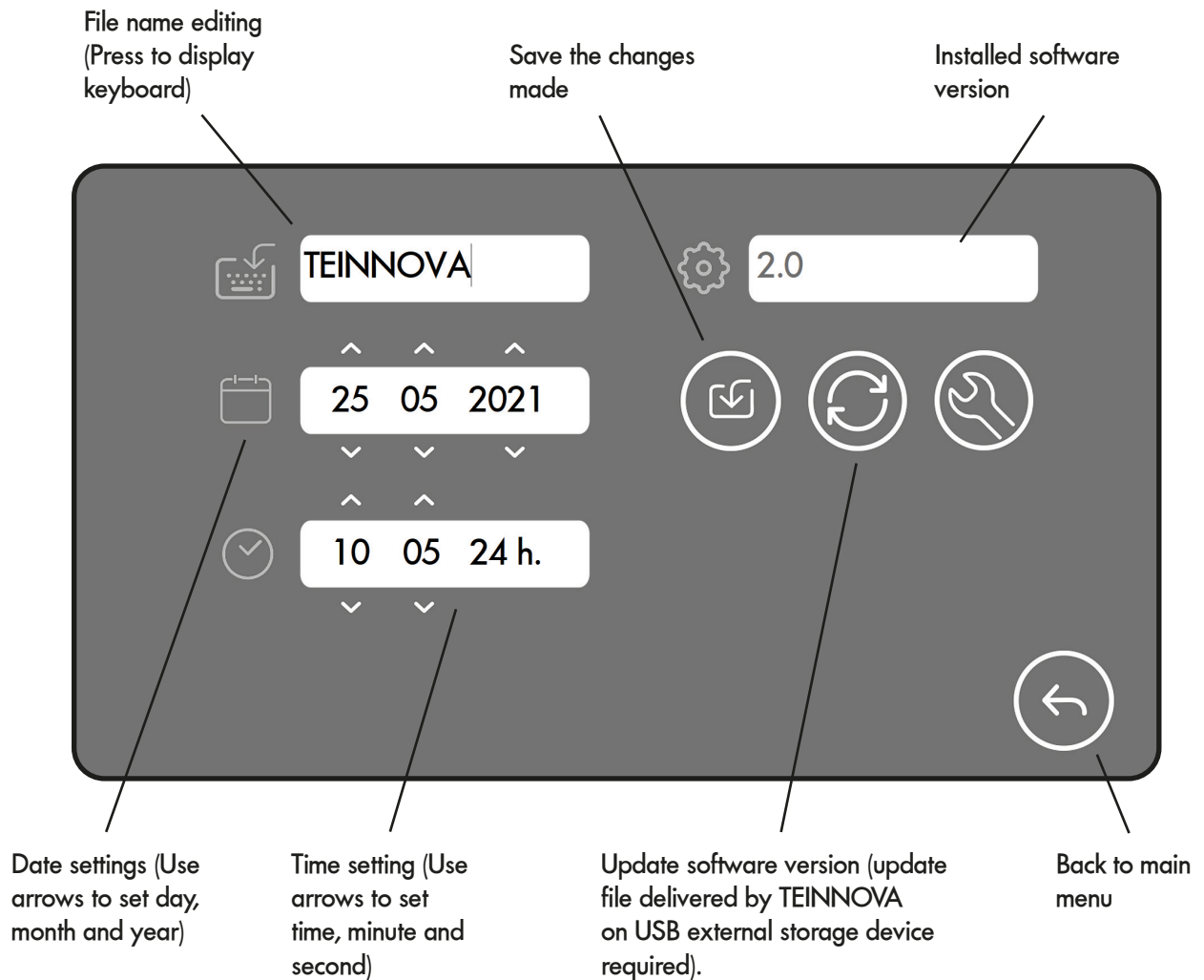
operating instructions

Video and image reproduction:



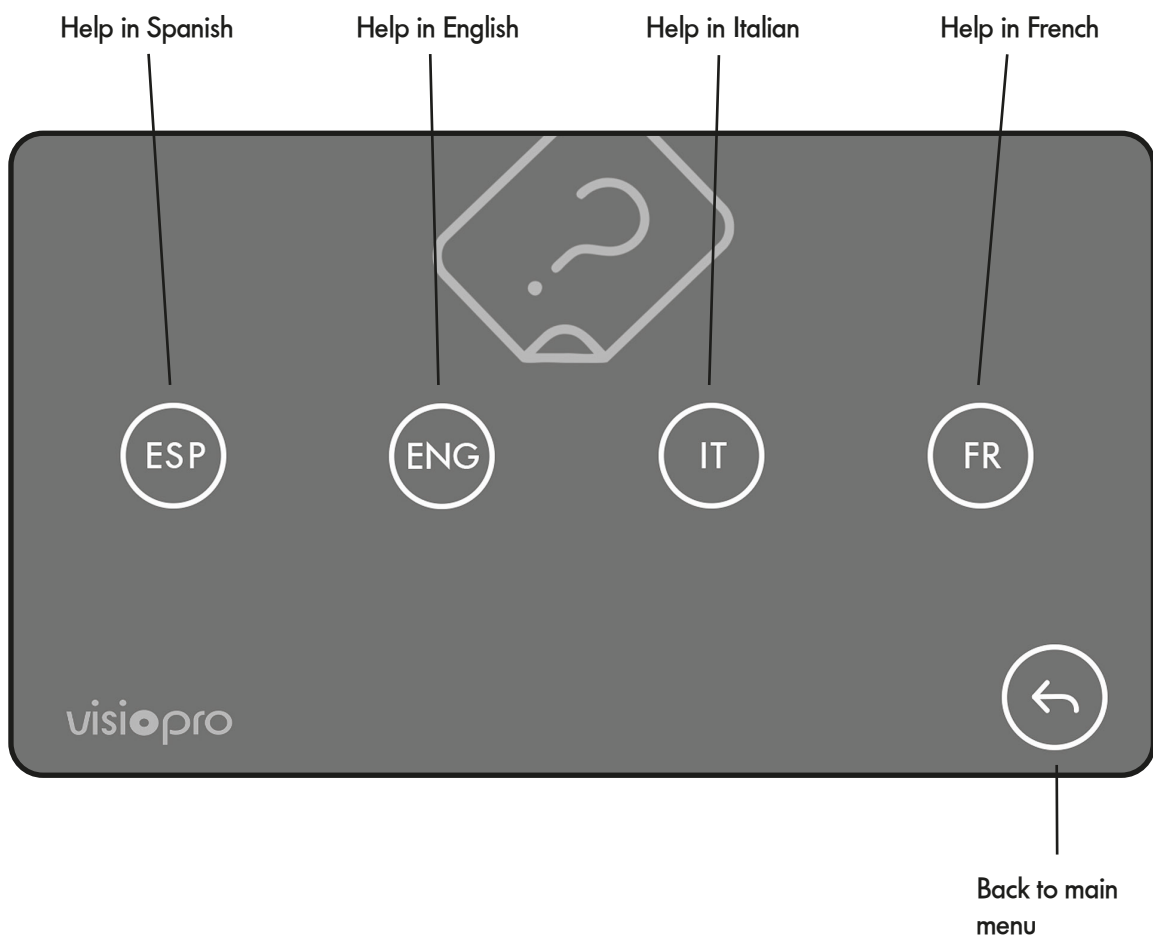
operating instructions

Configuration and settings:



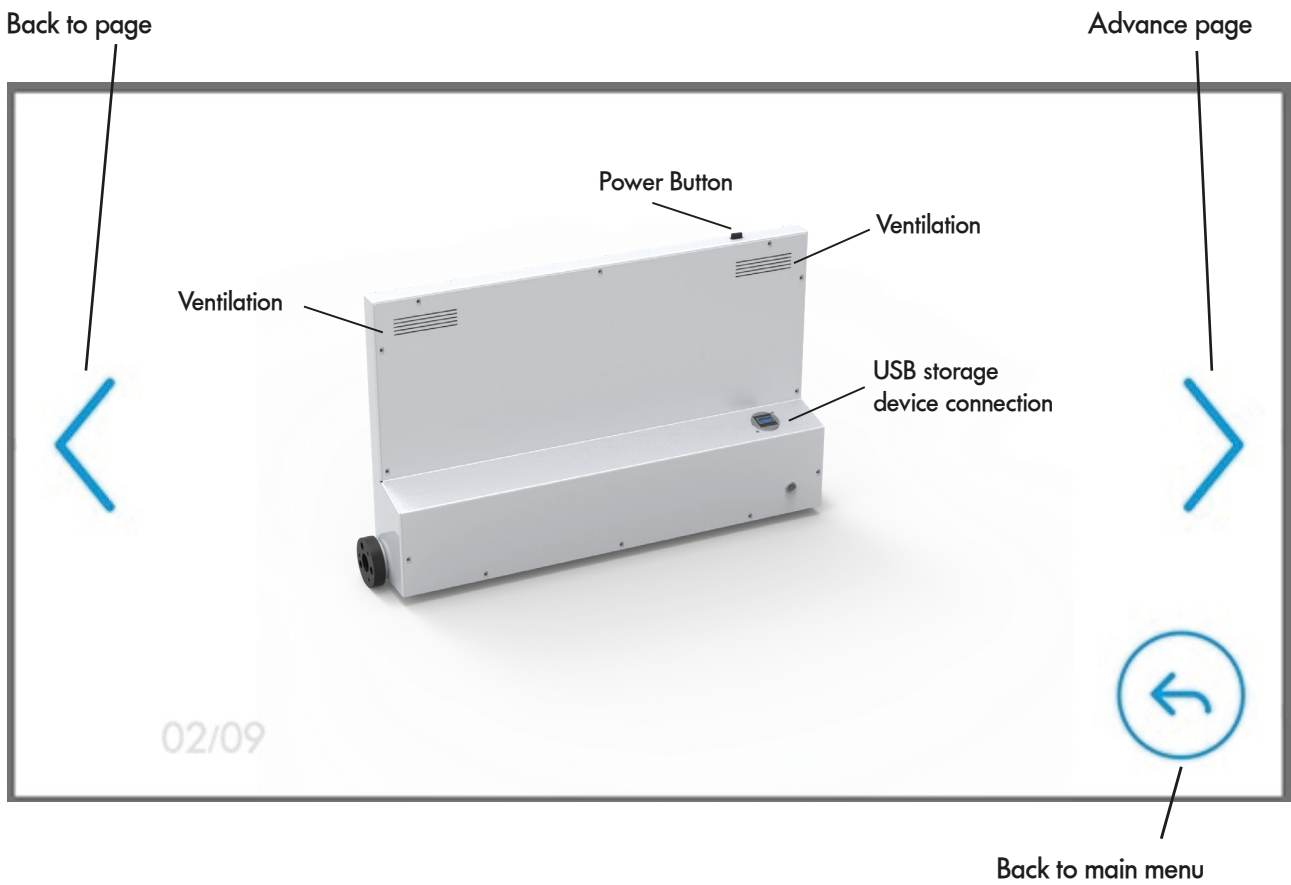
operating instructions

Help:



operating instructions

Help manual:



 **transport**

The machine has been designed to be transportable in a small van.

During transport the machine must be firmly fixed to prevent any damage.

It is not advisable to place the machine on a pallet or similar. The machine must be on a completely flat and horizontal surface.



maintenance and care

Keep the equipment free of dust and dirt, in a place protected from the effects of weather and at a temperature of between 0 and 40°C.

Keep the machine in good condition, avoid knocking it or overloading it.

Keep connections clean to avoid clogged pipes that could cause serious damage to the main components of the machine.

Spare Parts:

TEINNOVA stocks spare parts for all the machine's components as well as consumables for all the maintenance tasks shown in this manual.

If you need any spare part or consumable, please contact TEINNOVA Customer Service at +34 941 44 50 56.





waste management



The materials used in the packaging are recyclable. Do not dispose of the packaging in household waste, but hand it in at official collection points for recycling.



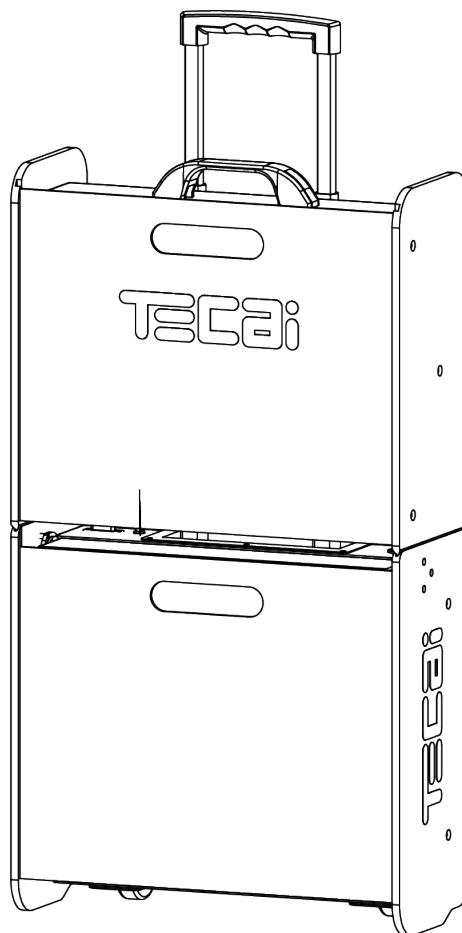
Do not dispose of electrical equipment in the trash!
We recommend that electrical tools and accessories are subjected to an environmentally friendly recovery process.
Please dispose of the materials in the appropriate container or go to your local collection point.

Directive 2012/19/EU of 4 July 2012 on waste electrical and electronic equipment (WEEE).



technical specifications

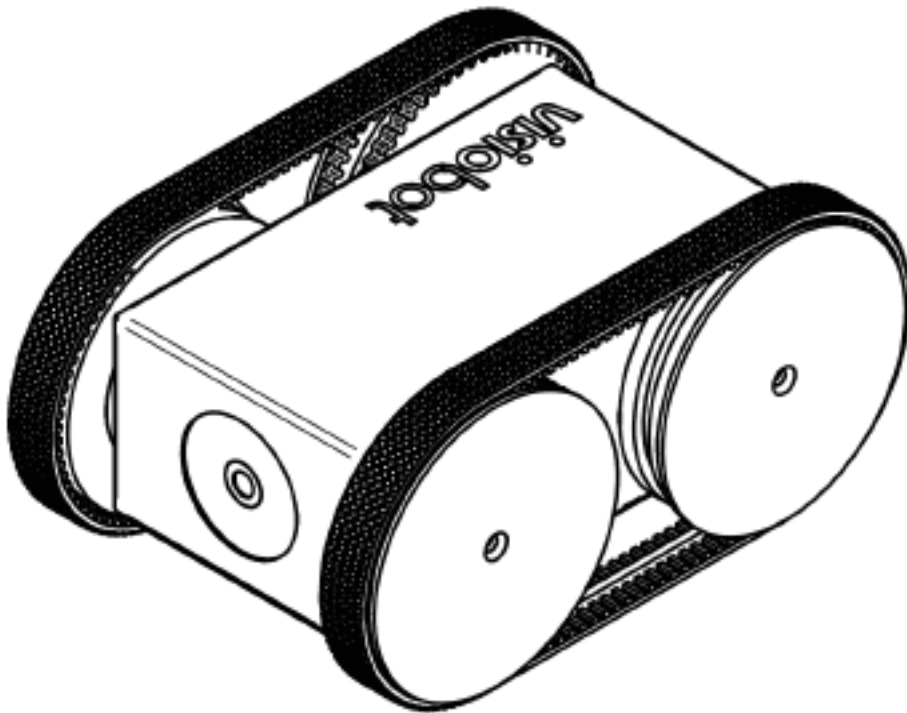
ENTIRE SYSTEM	
Dimensions (mm)	745 x 415 x 175
Weight	18 kg (with monitor and tractor)
Material	Stainless steel and HDPE
Removable elements	Reel, cover and monitor
Electricity grid	230V / 50Hz // 110V / 60Hz
Power	75 W max.
Battery	12V / 5,5Ah





technical specifications

TRACTOR	
Dimensions (mm)	225 x 110 x 135
Weight	2,40 kg
Material	Stainless Steel
Drive	By high grip belt.
Lighting	1 LED ring in front and 2 rear LED banks with variable brightness.
Front camera	High resolution colour.
Rear camera	High resolution colour.





guarantee conditions

1. "TEINNOVA" guarantees its products for a period of 15 days as regards aesthetic defects or faults which are noticeable with the naked eye. In terms of all other manufacturing defects and faults in the products, the guarantee is of 1 year.

The "Buyer" must notify "TEINNOVA" of the existence of any defects as soon as they are observed and in any case within a maximum deadline of 5 days from when they become apparent. Notification thereof outside of said deadline shall lead to the non-application of the guarantee.

"TEINNOVA" reserves the right to request that the products be sent to the factory or the closest official Technical Support Service for their due inspection and the delivery costs are payable by the "Buyer". Said costs shall be reimbursed if the product is proven to be effectively non-conforming.

"TEINNOVA" will pick up and send the products to the factory or to the nearest official Technical Assistance Service for proper inspection. At that time, it will be determined whether the warranty will apply or it is within the warranty exclusions. If the guarantee is applicable, the transport, both collection at the customer's facilities and return of the product, will be borne by TEINNOVA. If it is excluded from guarantee (point 2), the transport, both collection at the customer's facilities and return of the product, will be borne by the customer.

"TEINNOVA" reserves the right to overrule the application of the guarantee when there is no evidence of the product's non-conformity and it shall not apply said guarantee until

coverage has been expressly proven.

In the case that the product is covered, "TEINNOVA" can replace it or determine the necessary repair method.

All repair works that are carried out under the product guarantee must be carried out in "TEINNOVA" facilities or in those of the party it designates.

The guarantee covers the materials and labour required to repair or replace the parts or elements considered as defective from origin. The maximum guaranteed amount or value shall be the maximum price of the sale of the product to the "Buyer".

Any claims made under the coverage of the guarantee shall not grant the right to delay and/or withhold payment of the corresponding invoice and/or any other pending invoices.

2. Guarantee Exclusions: the following are excluded from the guarantee: actions, alterations or manipulations of the product that are carried out without the prior express authorisation of the "Seller"; indirect and/or consequential damage; damage caused by negligence, by improper use or by usage that does not conform to the instructions and intentional damage; faults due to adaptations made to the products or the use of parts that were not previously and expressly certified or authorised by the Seller; costs for detection of the fault; costs for collection or replacement (the latter two are unless the non-conformity is proven and within the limits established in section 1).

TECAI INNOVA S.L.
C/ Las Balsas 16-B, Pol. Ind. Cantabria.
26009 LOGROÑO (La Rioja), España.



TEINNOVA reserves the right to make changes to the equipment without prior notice.





declaration of conformity "CE"

TEINNOVA

MODEL: **VISIOBOT HD**

SERIAL NUMBER: SV31206100000 - SV31206109999

MANUFACTURER INFORMATION:

Manufacturer name: TECAI INNOVA S.L.

Telephone number: +34 941 44 50 56

Fax: +34 941 25 24 71

Web: www.teinnova.net

TECAI INNOVA, SL, under its sole responsibility, certifies that the machine model described above complies with all the essential requirements of the following directives:

- Machinery directive 2006/42/CE
- Directive 2014/30/EU on electromagnetic compatibility and its amendments.
- Directive 2014/35/EU on the sale of electrical equipment.

RESPONSIBLE FOR THE TECHNICAL DOSSIER:

Technical Director

ARMANDO SÁENZ ANGULO

Pol. Ind. Cantabria, C/Las Balsas 16

26009 Logroño (La Rioja)

SIGNATURE: ARMANDO SÁENZ ANGULO
Technical Director

Made in Logroño, 25 January 2017



visiobot HD

Duct inspection system