# **TELEROBOTICS EXTENDER AKA TREX**

# **COTS-BASED APPROACH = COST-EFFECTIVE SOLUTION**

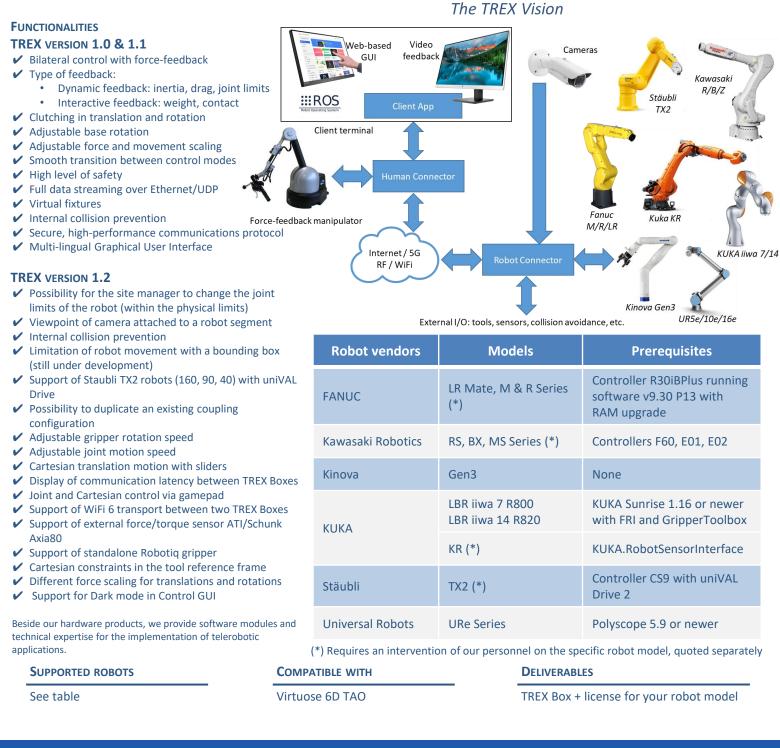
Haption's force-feedback devices can be used to control robots manually from a distance, in an intuitive manner. The operators are removed from the dangerous zone and still keep their dexterity and can make full use of their manual skills without the need for programming. Thanks to the forcefeedback, they are able to monitor the forces applied by the robots to their environment, thus reducing the risks of damage.

**#** Remote handling

**#** Telemaintenance

**# Robotics** 







# **TELEROBOTICS EXTENDER**

Haption's hardware products can be used as input devices to control robots remotely, in an intuitive manner. The operators are removed from the dangerous zone and still keep their dexterity through the force feedback system. Thanks to the force-feedback, they are able to monitor the force applied by the robot to its environment, thus reducing the risk of damage.



# **#** Telemaintenance

**# Robotics** 

#### **FUNCTIONALITIES**

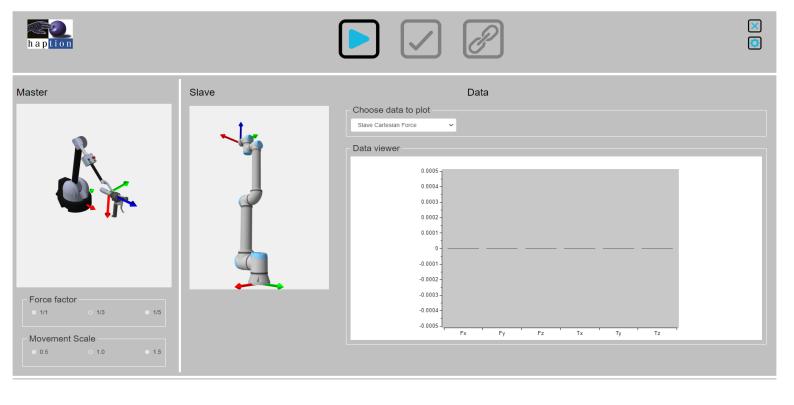
# Remote handling

- ✔ Bilateral control with force-feedback
- Clutching in translation and rotation
- ✓ Adjustable base rotation
- Adjustable force and movement scaling
- Smooth transition between control modes
- ✓ High level of safety
- ✓ Multi-lingual Graphical User Interface

Beside our hardware products, we provide software modules and technical expertise for the implementation of telerobotic applications.







SUPPORTED SLAVE ROBOTS Universal Robots e-series

Polyscope 5.9 or newer

### COMPATIBLE WITH

Virtuose 6D TAO

#### DELIVERABLES

UR Connector PC TeleRobotics EXtender URCAP

HAPTION S.A. 8 ZA Route de Laval – 53210 SOULGE SUR OUETTE – France Tel. +33(0)2 43 64 51 20 Fax. +33(0)2 43 64 51 21 Email : contact@haption.com https://www.haption.com



# **TELEROBOTICSEXTENDER**

Haption's hardware products can be used as input devices to control robots remotely, in an intuitive manner. The operators are removed from the dangerous zone and still keep their dexterity through the force-feedback device. Thanks to the force-feedback, they are able to monitor the force applied by the robot to its environment, thus reducing the risk of damage.



# # Telemaintenance

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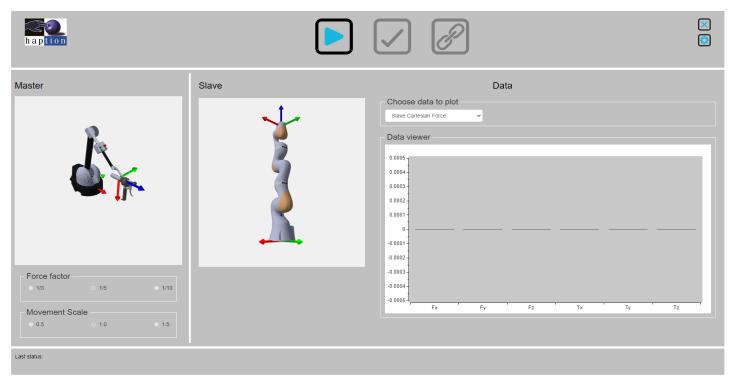
#### **FUNCTIONALITIES**

- ✔ Bilateral control with force-feedback
- Clutching in translation and rotation
- Adjustable base rotation
- Adjustable force and movement scaling
- Weight compensation of the Gen3
- Redundancy management
- $\checkmark$  Smooth transition between control modes
- High level of safety
- Multi-lingual Graphical User Interface

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Typical installation



#### SUPPORTED ROBOTS

KUKA® IIWA – LBR Requires Kuka Sunrise. Workbench 1.16 with FRI and GripperToolbox COMPATIBLE WITH

Virtuose 6D TAO

### DELIVERABLES

TREX Box TREX KUKA Connector

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# **#** Telemaintenance

**#** Robotics

#### **FUNCTIONALITIES**

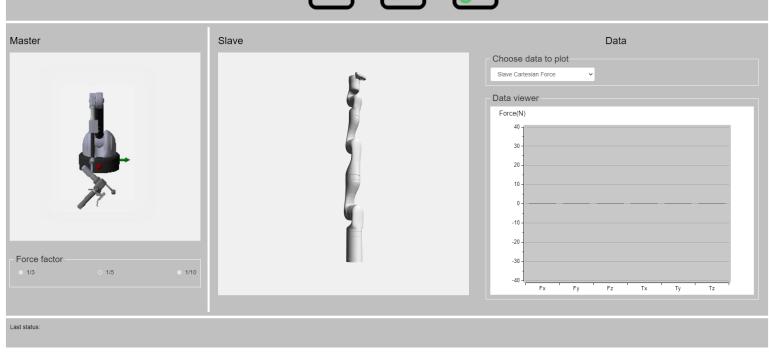
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#### Typical installation



### SUPPORTED SLAVE ROBOTS

KINOVA® Gen3

COMPATIBLE WITH

Virtuose 6D TAO

DELIVERABLES

TREX Box TREX KINOVA Connector

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