

FEATURES EVENTRONIC EV-CLEAN3/XL

- **100W Motor cleaning and 650rpm, with head adaptable to all types of brushes and planetary reduction gear steel, blocking protection.**
- **Two cameras, one front color and one rear monochrome IR illuminated. Switching cameras remotely via software.**
- **Front Light Spotlights remotely controlled by software, with 50 levels of light output, which is 3W white LED type.**
- **2 motors with metal chains in XL model.**
- **50 power levels remotely controllable motors.**
- **Software included to control all functions of the robot and video recording, photo taking and image processing in real time, labeling of real-time video.**
- **Weight: 4kg, dimensions: 180 (A) x150 (H) x220 (L) mm**
- **Minimum Duct: 20x15cm**
- **Adaptable to brushes from 20 to 50cm in diameter from any manufacturer, with shafts from 2 to 10mm, with quick-change system brush, chuck type.**
- **Lift arm motorized vertical movement from software.**
- **Includes 30 meter cable (6 mm diameter) expandable to 50 meters with 11mm in diameter.**

ELECTRONICS

Integrated control board with programmed DSP processors, including the communication program, 4 outputs PWM (pulse width modulated) to control lights and motors and switching relays cameras and investment. Provides smooth cleaning motor start.

The robot receives a dual feed of 18.5 Vdc, which are obtained by voltage regulators, the 12V and 5V to operate internal devices. The power box operate with 110/220v ac.

The robot communicates with the computer via a RS232 protocol with an improved signal handling for reliable communications cable to over 50 meters.

All supply lines are screened with 10.000uF capacitors to minimize the effects of interference on the image.

The power box contains a switching power supply, which are obtained 18.5 volts regulated. The same box delivery makes video signals and communications with the PC. Also includes a rs232 to usb converter and video capture.

SOFTWARE

It is an extension of the control program Eventronic robots, which also allows robot control, dynamic analysis of real-time image, by modifying the color spectrum from the same levels modifiable by the user.

SOFTWARE FEATURES

- Control of the robot's motors (forward, backward, turn and stop in addition to activating the cleaning and arm movement).
- Controls using the computer keyboard.
- Control the brightness of the lights.
- Camera switching front / rear.
- Realization of stills and video recording on the hard drive of your computer. Two display screens acting robot monitor.
- Simultaneous display of the actual image and image 'modified'.
- Controls modification of image processing in real time.
- Switching colors in the color spectrum (RGB) to our liking.
- Recording video and photos processed by the program.
- Labeling videos or images captured with titles

This system is only incorporated into the products of Eventronic, is a single value to videoinspection, allowing highlight or locating faults in the conduits in a striking and can highlight, for example, just a simple spot visible in a spectacular way.

This technology will allow you to be light years ahead of your competition, and is also an image of quality and innovation of your company to your customers.



Image capture of Eventronic control program. Optionally you can read the temperature and humidity inside the ducts and show (with video overlay) on the screen.