

Inspection Robotic System

General information about Air Duct Cleaner HVAC Inspection Robotic System Duct Inspection Crawler Cleaning Equipment AD-RC2089A

- ✓ This Duct HVAC Robotic Inspection & Cleaning System is especially designed for air ducts with a height in the range of 180mm ~ 600mm.
- ✓ This HVAC Duct Inspection Cleaning Robotic System is equipped with front and rear infrared color video camera (complete with high intensity illumination) ,auto up/down rolling brushes,this robot can loosen dust or particles that are attached on the side walls of air duct over time and paving way for subsequent work to be done by dust absorbing robot (by way of direct dust absorption method) or alternatively dust can be extracted at the other end of the air duct by means of a high power vacuum dust collector (by way of raised dust absorption method).
- ✓ It is a control box with 10.4inch LCD screen and 500G hard drive, video can be recorded as needed, 500G hard drive, 4G U disk.



Technical specification of the device:

Technical Data:

- **Dimensions:** 480mm (L) x 380mm (W) x 160mm (H)
- **Weight:** 13.5 kg
- **Operating Voltage:** 24V dc **Power:** 235W
- **Operating Range:** Standard length 20 meter; can be extended to 100 meter if required.
- **Types & Materials of Air Ducts to be cleaned:** Rectangular or round duct made of metal or composite materials.
- **Size of Air Ducts to be cleaned:** Height 180mm ~ 600mm (with lateral rolling or rotating brush) x width (no limitation) and if round duct diameter could be 500mm or more.
- **Brush Control:** Point position electrical control (auto adjustment of high and low point).
- **Driving Mode:** Crawler type or four-wheel drive (to be decided by customer at time of placing order).
- **Critical Performance Parameters:** Obstacle crossing > 45mm; climbing capability > 40°
- **Travelling Speed:** 0-12 m/min (continuously variable transmission).
- **Video Recording & Illumination:** Double front and rear, 420 lines, industrial grade, video color camera. Four (front and rear) scatter type high intensity illumination (3Ls - long life, low temperature, LED).
- **Video format:** MP4

