Air-Care™
INDOOR AIR QUALITY SPECIALISTS

APOLLO
VIDEO INSPECTION CAMERA

USER MANUAL

PART# FG0270

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1 Introduction

The Apollo video Inspection System is designed specifically for video viewing and recording of air ducts and similar spaces that are not accessible for direct inspections. The Apollo and its components have many other uses beyond video inspections. The body of this manual only covers their use in the air duct video inspection environment.

Apollo is the latest development in Air-Care's video inspection product line. Air-Care continues to create products that incorporate cutting edge technology.

Apollo offers the best image quality and lighting of any camera on the market. The ultra wide angle lens and ultra-diffuse, super-bright, white LEDs render a clear, color picture of the interior of the duct from just below the camera to the top of the same duct as well as a clear view downstream of the camera.

The Insertion Rods are each 2.5 ft long with threaded ends and the electrical cable is 50 feet (15m) long. It comes with 10 rods for 25 feet of inspection length, with additional rods available. The camera head is small and streamlined to slide easily into metal, duct board and flex ducts and can be lowered down vertical runs as well. Like the insertion rods, the electrical cable can be extended up to 150 feet with multiple extensions.

The color HD 720p camera is mounted into an ultra-durable lightweight head that is mounted on a flexible spring. The 120 degree viewing angle will give you the ability to photograph and film through tight bends of the duct and out of corrugations in a flex duct. Simply pushing it forward and twisting the rods will free it from most obstructions.

Apollo comes with a 10.1" Android tablet for displaying photos and recording. The tablet has its own internal battery for up to 5 hours of recording and playback and can be used to show the customer the inspection as it happens or via email.

The camera, tablet, extension rods, accessories, cables, and charger fit into a stylish, convenient, case with internal foam protection. The complete system is lightweight and easy to store and operate.

2 SAFETY AND PRECAUTIONS

- Read the manual before using the Apollo Video Inspection System.
- Avoid kinking or pulling on camera cable as this will cause irreversible damage.
- Never use the camera and/or cable as an unclogging tool, only to observe the condition of the duct interior, tool position and the cleaning progress.

3 PARTS IDENTIFICATION

UNPACKING INSTRUCTIONS

Before remove items from shipping box inspect for damage. If damage is found, please take photos and contact Air-Care for an RMA. Inspect all of the packing material for small parts before discarding packaging material. Any attempt at repairing damages may void the warranty.

10.1" android tablet

Camera Head

Apollo Case

Insertion Rods

4 STORAGE AND CLEANING

1. Always return the individual components to their designated storage areas when not in use.
2. Clean the tablet screen with a microfiber cloth. All other pieces of the equipment should be cleaned with a clean, dry, cloth.
3. Never use solvents or abrasive solutions.

5 OPERATING INSTRUCTIONS

1. Open the Apollo case and remove the camera head 50 ft Video Extension cable.
2. Remove the tablet from its storage area
3. The camera should be connect to the wifi adapter and then to the tablet.
4. The tablet runs on an internal battery or can be charged with its own charger or from a user provided Micro USB charger. Charge the tablet daily.
5. Power the table off when not in use.
6. The inspection video and photographs can be viewed on the tablet.
7. The tablet will record up to 3 hours of video.
8. The rods must be screwed together firmly so that they will not come unscrewed during the inspection. DO NOT OVER TIGHTEN.
9. Turn on the tablet, the Air-Care Apollo APP is pre installed.
10. Start the app on the tablet
11. Verify that you see an image from the camera before inserting the camera into the ducts.
12. You can start the recording as you insert the camera or you can just VIEW the images as the camera is inserted and record video or stills when you reach an interesting area you want to document.
13. For images, stop the video and Tap the camera ICON. After taking such a photo, restart the video recording.
14. For images, stop the video and Tap the camera ICON. After taking such a photo, restart the video recording.
15. Verify that the inspection was recorded before packing up the camera.
16. Clean off the camera head and store all of the parts in their assigned storage areas.

Part # FG0270

SPECIFICATIONS

Camera	
Color HD 720P 30 Fps	
Viewing angle	120°
Illumination	High Powered diffused white LEDs w/ brightness control
Operating temperature	20°F – 120°F (-6°C – 50°C)
Cable	
30 foot (10 m) heavy duty cable with 3 in 1 USB connector.	
Transmitter	
Camera Transmitter: Local WI-FI	WLAN IEEE 802.11n Distance: 5-30M
Tablet	
10.1" Android Tablet	Includes Apollo/ Air-Care software app to display, and record video and images. Download the free Apollo app from the Play Store. App will allow you to rotate image / video and zoom x2 magnification.
Internal Power Supply	
USB camera operated on 5 VDC supplied by USB, Micro-USB, or USB Type-C connection. WiFi dongle contains rechargeable 800mAh battery. Charge via 5 VDC power.	

7 WARRANTY

LIMITED WARRANTY

AIR-CARE WARRANTS THIS PRODUCT TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP TO THE ORIGINAL PURCHASER FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF PURCHASE. COMPONENTS LISTED BELOW ARE EXCLUDED FROM THIS ONE YEAR PERIOD AND ARE COVERED FOR PERIODS DESCRIBED BELOW:

TABLET	*90 DAYS*
INSERTION RODS	*90 DAYS*

WARRANTY COVERS BOTH PARTS AND LABOR (LABOR IS TO BE PERFORMED AT AIR-CARE'S FACILITY LOCATED IN LAS VEGAS, NEVADA).

WARRANTY IS EXTENDED TO THE ORIGINAL PURCHASER AND IS NOT TRANSFERRABLE.

THIS WARRANTY DOES NOT EXTEND TO ANY DAMAGE TO A PRODUCT CAUSED BY OR ATTRIBUTABLE TO FREIGHT DAMAGE, ABUSE, MISUSE, IMPROPER OR ABNORMAL USAGE. WARRANTY IS ALSO VOID IF THE PRODUCT HAS BEEN MODIFIED OR ALTERED IN ANY WAY.

THE PURCHASER IS RESPONSIBLE FOR THE COST OF SHIPPING THE EQUIPMENT TO AIR-CARE'S FACILITY FOR EVALUATION. IF FOUND TO BE DEFECTIVE AND COVERED BY THE TERMS OF THIS WARRANTY, AIR-CARE WILL PAY FEDEX GROUND SHIPPING CHARGES ON THE REPAIRED OR REPLACED ITEM BACK TO THE PURCHASER'S LOCATION. ANY ADDITIONAL EXPEDITED SERVICE CHARGES FOR QUICKER SHIPPING SHALL BE BORNE BY THE PURCHASER. IF THE PRODUCT OR COMPONENT IS NOT FOUND TO BE A WARRANTY ISSUE, THE PURCHASER WILL BE RESPONSIBLE FOR RETURN SHIPPING CHARGES.

AIR-CARE IS NOT RESPONSIBLE OR LIABLE FOR INDIRECT, SPECIAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OF PERFORMANCE OF THE PRODUCT; DAMAGES WITH RESPECT TO ANY ECONOMIC LOSS, LOSS OF PROPERTY, LOSS OF REVENUES OR PROFITS, LOSS OF USE, OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES OF WHATSOEVER NATURE.

THE WARRANTY EXTENDED HEREUNDER IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, AND ANY IMPLIED WARRANTIES OF ANY TYPE.

THIS WARRANTY GIVES YOU SPECIFIC RIGHTS. THESE RIGHTS AND OTHERS VARY FROM STATE TO STATE.