

# **DIGITAL CYLINDER INSPECTION BORESCOPE**

EHEV2-USBA800



## **For Windows Users:**

Take the information card (in blue color) out of the package and visit our web page:  
[www.ablescope.com](http://www.ablescope.com) to download below App and menu:

App for PC: ehe1.exe

Menu: Quick use guide of App ehe1.exe

Menu: EHEV2-USBA800

EHEV2-USBA800 is an UVC camera and can be opened by any other App of UVC camera

## **For Mac Users:**

There is no a software on Mac right now

Please use the Photo Booth to open an image window

## **For Users who want to connect on Android please download by using your Android device:**

App for Android: AbleScope.apk

Menu: Connecting to Android

Digital Cylinder Inspection Borescopes are used for visual inspection work where the area to be inspected is inaccessible by other means.

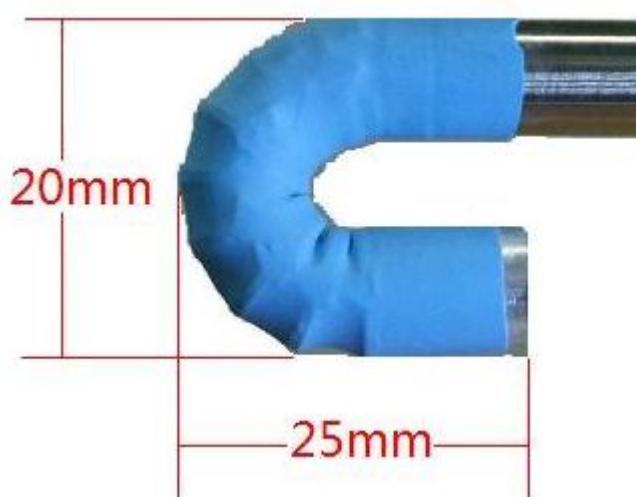
The borescope uses a miniature video camera at the end of the soft tube. The end of the insertion tube includes 6 high light white LED which makes it possible to get a very clear view and take photos or capture videos deep within equipment, engines and other dark spaces.

## FEATURES

- 1, Articulation bendable angle: 0° to 180° adjustable continuously
- 2, Very easy operation by one hand hold and just pushing down the release button by bending the thumb to adjust the articulation angle
- 3, The articulation angle can be locked/unlocked at any degree by open/close the locker
- 4, Very small bending radius only 30mm
- 5, Super high light LED illumination
- 6, Super long depth of field from 40mm to 4000mm
- 7, Work with: Windows XP, 7, 8 and MAC, plug & play
- 8, Connect on Android devices without rooting

## SPECIFICATIONS

1. Sensor: high-quality CMOS sensor
2. Resolution: 640X480
3. Interface: USB2.0.
4. Frame rate: 30 frames/sec (CIF and VGA).
5. Focal distance: 40mm - 400mm
6. Optical lens view angle: 60°
7. Photo format : JPG
8. High light LED: 6 pcs, white color
9. Brightness at 200mm distance: 200 lumens
10. Diameter of insertion: 8.5mm
11. Length of insertion: 800mm
12. Articulation bendable angle: one way 0° to 180° adjustable
13. Angle locker: can be locked/unlocked at any angle
14. Articulation bendable radius: 30mm



15. Working temperature: 10° to 50°
16. Storage temperature: 0° to 70°
17. Works with: Windows XP, 7, 8 and MAC, plug & play
18. Connecting to Android devices
19. Package: carton box, 200 X 50 X 60 (mm<sup>3</sup>)

### **QUICK USE**

For Windows users :

1, Plug in the borescope into the USB port

2, Download the software ehe1.exe from our web page: [www.ablescope.com](http://www.ablescope.com)

3, Double click on the icon of ehe1.exe to open the image windows

If the image came from your built-in camera please click on the devices in the navigation bar and then click on the USB camera to change image to the borescope

4, Quick use of the function keys:

KEY	FUNCTION
SPACE BAR	IMAGE FREEZE
RETURN	SNAP
↑ & ↓	ZOOM IN / OUT
F5	DELAY 10 SECONDS SNAP

For Mac users:

There is no software running on Mac .

But user may use the Photo booth to observe the image.

If the image came from your built-in camera please click on the cameras in the navigation bar and then click on the USB camera to change image to the borescope

To connect with Android devices:



Please visit our web page to : [www.ablescope.com](http://www.ablescope.com)

To download below items:

1, App: ablescope.apk    2, Menu: Menu: Connecting to Android  
Using an OTG cable to connect on Android devices.



### BENDABLE ARTICULATION OPERATIONS

1, How to bend the articulation see right photo:

The release button and the locker are worked together.

Just push down the release button by the thumb to bend the articulation to a proper angle from 0° to the 180° back and forth.

2, How to lock the articulation angle:

There is a locker at the down place of the release button you can see the knurling on the round edge.

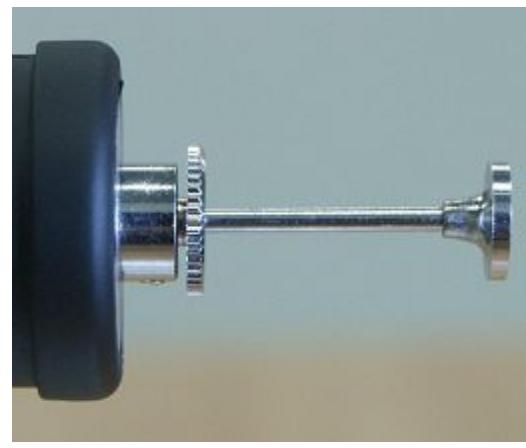
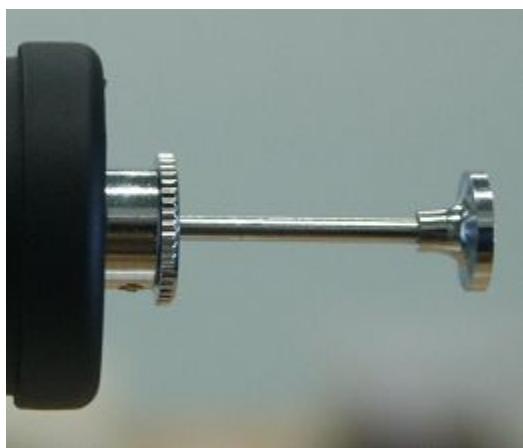
Turn the locker anticlockwise to open the function.

Push down the locker and turn the locker clockwise to close the function

Unlocked position



Locked position



### 3, Portrait of the image

The direction of the USB cable indicates the portrait position of the image

4, At the end of the borescope there are 6 high light white LED around the lens to provide illumination. It will be turned on once you plug in the USB port. The LED will cause high temperature during the use. Please do not touch it by fingers.

### **VERY IMPORTANT NOTICE**

Below damages are not covered by the warranty:

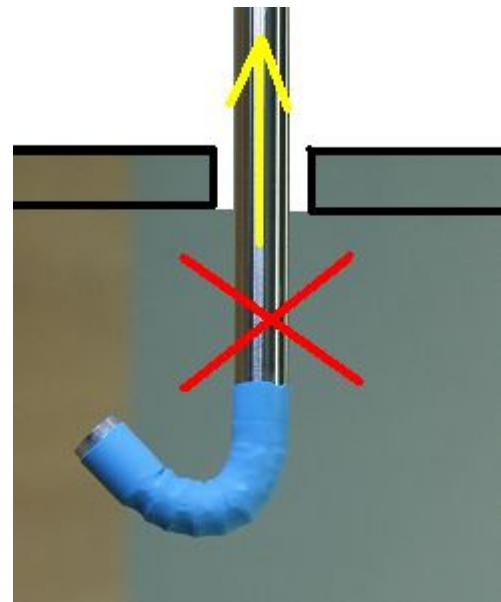


1, The borescope must be used under the common temperature from room temperature to 120° degree Fahrenheit. If the temperature was higher than 120° the noise would appear in the image or even damage the image sensor

2, Don't put the borescope into water or oil

3, Before user finish the inspection to take the bended borescope out from a small hole user must remember to unlock the articulation and let it go back to the straight position. Roughly take it out and forgot to straight would damage the articulations.

4, Using a Q-tip to clean the lens surface by immersion a little bit alcohol, do not touch it by fingers



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