

## Vividia ET-078 Ultra Slim Industrial Borescope Endoscope Inspection Camera with Diameter 0.78mm



### Warning:

1. **Vividia ET-78** has very thin and flexible probe, use with care to avoid damage due to improper use such as bending, folding and pulling.
2. **Handle the ET-078 probe** slowly and carefully. Put the probe back to package case immediately after each use.
3. Carefully connect borescope probe and monitor to avoid damages to lens or make them dirty.

Vividia Technologies  
Oasis Scientific Inc.

## 1. Vividia ET-078 Borescope Videoscope Specs:

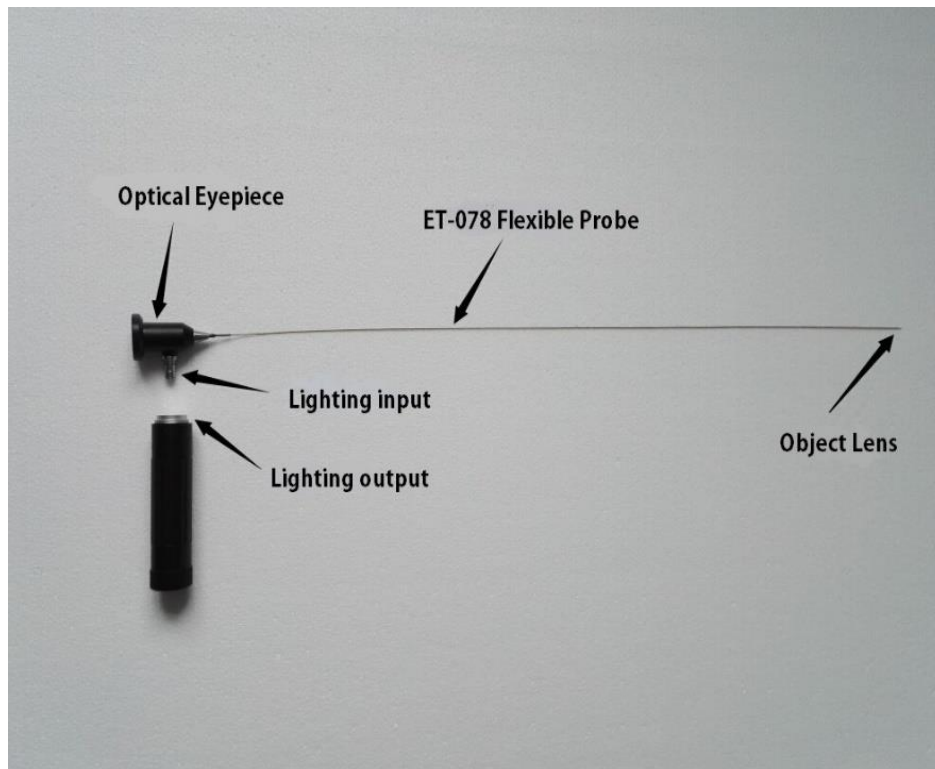
### Videoscope Cable Camera Probe

Resolution Pixel:	10,000
Diameter:	0.78mm
Length:	600mm
Depth of Field :	2~15mm
Field of Angle:	90°
Light Source:	Portable LED light, dimmable
Tube material:	PTFE-like plastic with optical fiber
Optical adapter for 32 times Zoom in	

### Monitor Display

3.5" inch color LCD  
200Mega CCD camera; Manual focus with a focus ring  
Image record resolution:1080P  
TF card, up to 32G  
Photo taking and video recording

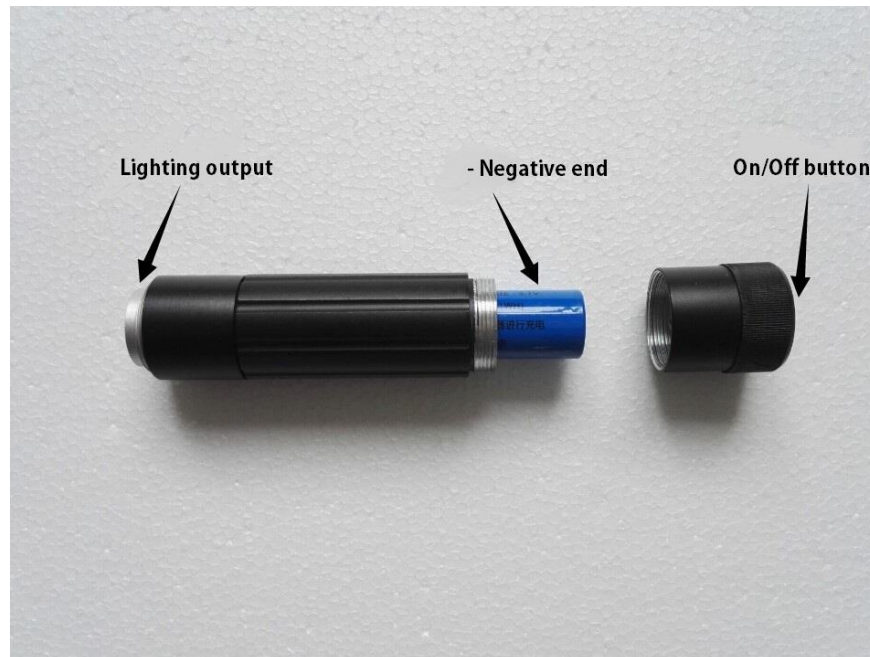
2. **What are included in package:** Vividia ET-078 videoscope; 2 pcs rechargeable Li ion batteries; AC charger; user manual; heavy duty hard case.



### 3. How to use Vividia ET-078 videoscope

3a. Take out flexible ultra-thin borescope carefully. The borescope probe can be broken with rough handling, be very careful to handle the thin probe. **Start from eyepiece** to pick up the thin probe. Do not hold the whole unit only at the thin probe part or pull thin probe tube with hard force.

3b. Install charged battery into lighting unit as below:



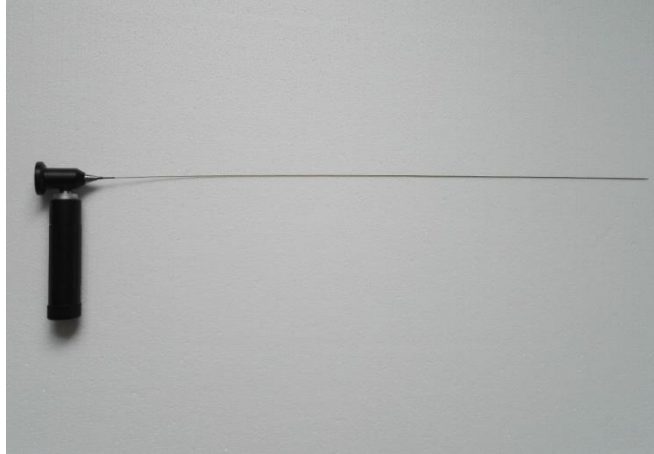
3c. Connect the LED lighting unit to borescope lighting receiving end. Turn on LED light by press on/off button. There are two levels of brightness by press the on/off button.

3d. Hold the whole borescope unit on the battery tube, turn on lighting by pressing battery on/off button, use another hand to guide ET-78 borescope flexible probe, you can observe images from eyepiece without connecting camera monitor.

3e. Clean the eyepiece lens with soft fabric or lens cleaning wipes if the lens is dirty.

3f. Recharge battery when needed.

### 4. How to take care Vividia ET-078 borescope thin probe:



- Do not pull the flexible tube too hard
- Do not press the tube and object lens with force
- Do not bend or fold or coil the flexible tube too much
- If there is difficulty to insert probe further into a object hole, do not excess force. Observe and **move slowly**.
- If the tube and object lens are dirty, do not clean them with finger or hand directly. Use soft fabric or lens cleaning wipe **gently**.
- After observation, put the ET078 probe back into the case. Do not put the whole unit left unattended on a table or bench to avoid damages.

##### **5. Maintenance and storage Vividia ET-078 ultra-thin borescope probe:**

- Cleaning probe tube and object lens: use clean and soft fabric to wipe probe tube gently. Use cotton Q-tip or lens cleaning wipe to clean lens carefully. Do not use excess force.
- Clean object lens, eyepiece lens and probe tube and keep them dry



- Store the whole unit in a dry and clean environment. Avoid excess heat, radiation and moisture



- When place ET-078 probe back into the case, put the eyepiece part back first, then place probe tube into right places.

#### **6. Repair of Vividia ET-078 ultra-thin borescope probe:**

- Contact us immediately when image is blur, water inside probe, or probe was folded broken.

#### **7. Use of Vividia ET-078 videoscope camera monitor:**

##### **7a, Structure of camera monitor:**

Three parts: A, Handheld monitor; B, rechargeable battery; C. ac charger

A: Handheld main monitor can be used to take pictures and videos. There are LCD monitor, optical adaptor, high definition CCD sensor, control system and micro-SD storage.

B. Rechargeable battery: 3.7V, 1900mAh capacity

C. AC charger input, 110V – 240V, 50/60 HZ; Output: 5V and 2.4A

##### **7b. Specs:**

3.5" inch color LCD

2MP CCD camera

Image record resolution:1080P

Manual focus

Optical adaptor is C-mount

TF card, up to 32G

Photo taking and video recording

### 7c. Main monitor body:

1. video recording button
2. Up button: enlarge under preview mode; under menu, up to choose different parameter
3. M for menu mode, confirm choices



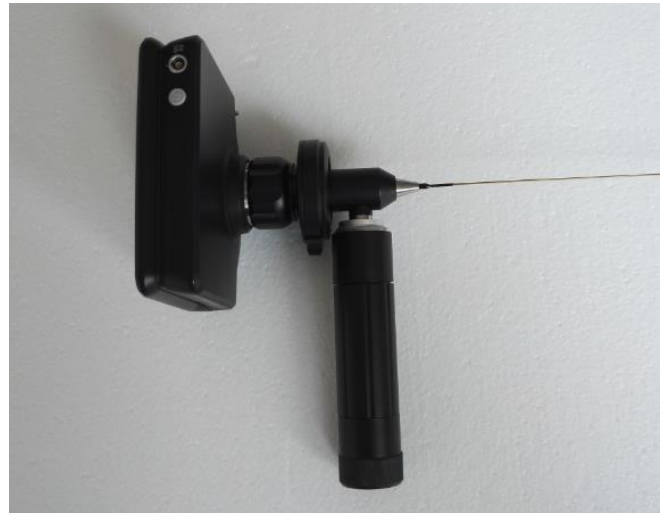
4. Down button: Zoom out under preview mode; under menu, down to choose parameter
5. Picture snap button

### 7d: Install and connection of ET-078 borescope probe and camera

1. Open battery cover, take out battery if needed, install micro-SD card. Then put battery in.
2. Connect camera and borescope probe: Remove protective covers of optical adaptor and monitor lens. Screw them together with gentle force as below:



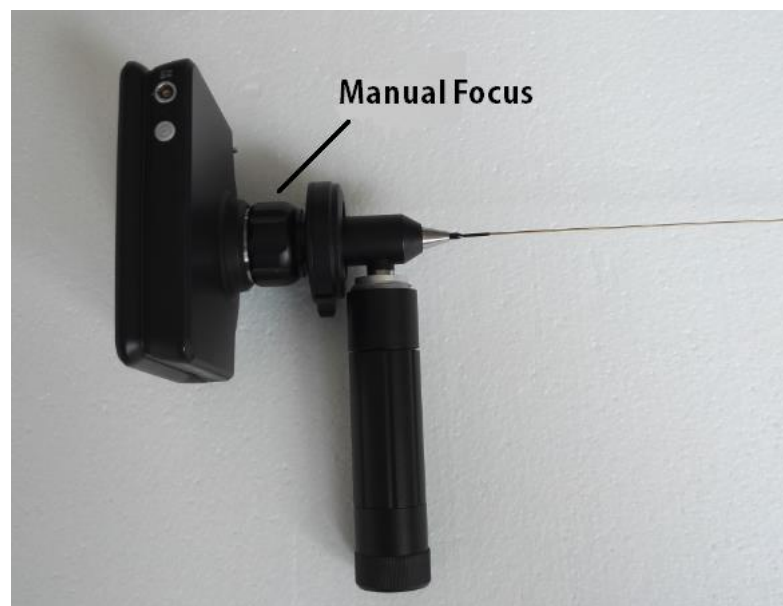
3. Push Vividia ET-078 eyepiece into optical adaptor by opening optical adaptor connector with two fingers moving clamp parts close to each other. Do this slowly and carefully. Confirm the connection by turning the eyepiece lens with hand.



4. After connection, check carefully to make sure the connection is done correctly.

#### 7d. How to use LCD monitor camera:

- Turn on main body and monitor by press the power on/off button on the top of monitor and hold for 3 seconds. LCD monitor will go into preview mode. Do the same to turn off the unit
- Under preview mode, adjust focus by turning the focus ring behind LCD monitor to get clear image.



- Under preview, zoom in and out by press up and down button

- Take pictures by press snap button
- Record video by press video button
- All files are saved in microSD card installed on the monitor.
- Settings can be changed by press M button.
- Battery should be taken out if the unit will not used for long time.

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