**Smart G-Scope** Can be easily used with smart phone and Tablet on anywhere between indoor and outdoor.
Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>SMART G-Scope G1 ~ G7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnify</td>
<td>10 ~ 250X</td>
</tr>
<tr>
<td>Sensor</td>
<td>3.5M Pixel CMOS</td>
</tr>
<tr>
<td>Auto Focus</td>
<td>Fast Auto Focus using Liquid Lens</td>
</tr>
<tr>
<td>Working Distance</td>
<td>Contact ~ Infinity by Mode Change</td>
</tr>
<tr>
<td>OLED</td>
<td>Display Magnify Mode &amp; Temp.</td>
</tr>
<tr>
<td>Lighting</td>
<td>White LED with On/Off Control</td>
</tr>
<tr>
<td>Movie Recording</td>
<td>30fps, AVI(1920x1080, 1280x720, 720x480, 640x480)</td>
</tr>
<tr>
<td>Image Capture</td>
<td>JPG(1920x1080, 1280x720, 720x480, 640x480)</td>
</tr>
<tr>
<td>Length Calculation</td>
<td>Yes</td>
</tr>
<tr>
<td>Attachable End Cap</td>
<td>3Pi Corner End-Cap</td>
</tr>
<tr>
<td></td>
<td>Ear End-Cap</td>
</tr>
<tr>
<td></td>
<td>Iris(Eye) End-Cap</td>
</tr>
<tr>
<td></td>
<td>Dental End-Cap</td>
</tr>
<tr>
<td></td>
<td>Infrared Thermometer</td>
</tr>
<tr>
<td></td>
<td>Capillary End-Cap</td>
</tr>
<tr>
<td>Remote Control</td>
<td>IR Remocon</td>
</tr>
<tr>
<td>Exposure</td>
<td>Auto Exposure</td>
</tr>
<tr>
<td>Color Control</td>
<td>Auto White Balance</td>
</tr>
<tr>
<td>Ruler Display</td>
<td>Automatic 4 Axis Ruler</td>
</tr>
<tr>
<td>Interface</td>
<td>USB 2.0 High Speed</td>
</tr>
<tr>
<td>OS</td>
<td>Win XP SP3, Win7, Win8, Win10, Android 4.1.2 or more</td>
</tr>
<tr>
<td>Fixture</td>
<td>Optional</td>
</tr>
</tbody>
</table>

G-SCOPE Standard Package
Differentiation between traditional Optic Microscope & Smart G-SCOPE

Traditional Optic Microscope

- Difficulty in operation
- Limit on the observation object
- Limit of environment
- Analogue operation

G-Scope

- Auto Focus Lens Module
  - AF Lens development by Optical microscopic design with liquid lens Variable focus technology.
- Replaceable End Caps
  - Various End Caps for the specific purpose.
- G-Scope Firmware/Software
  - Universal linkage with smart devices
- User-friendly Solution
  - Easy operation by remote control & digital operation
In industry field, the fastest Autofocus of G-SCOPE will be highly helpful to the operator.

(-) Manual Focus : Manual focus control by pushing Near (-) button. If long press of “-” button, LED ON/OFF will be toggled.

AF button : Fast Auto Focus by pushing “AF” button shortly. If long press over 1 second, Image capture function will be activated.

(+ ) Manual Focus : Manual focus control by pushing Far (+) button. If long press of “+” button, Digital Zoom (x1.5 →x3.0 → x1.0) function works.
Can easily change the End-Cap depending on the objects.

- **Default End-Cap**: For a normal inspection.
- **3Pi Corner End-Cap**: For a corner area inspection.
- **Temp End-Cap**: For measuring the temperature.
- **Side View End-Cap**: For the side view of a inner tube.

For the specific purpose, The End-Caps can be easily changed.

- **Capillary End-Cap**
- **Iris End-Cap**
- **Ear End-Cap**
LCD Display
Display current Mode & working distance.

Mode Switch
G-SCOPE have 4 step modes and each mode has their own max. magnification and working distance.

- x40 Mode working distance: 3Cm~Infinity
- x100 Mode working distance: 1cm~5cm
- x180 Mode working distance: Contact~2cm
- x250 Mode working distance: Contact~1cm
No restriction on anywhere between indoor and outdoor.
IR Remote Controller
Smart G-Scope can be easily controlled by IR Remote controller.

**Image Capture**
- **Capture**: Image Capture in G-Scope software

**Auto Focus**
- **NEAR**: Manual Focus (NEAR direction)
- **AF**: Auto Focus function
- **FAR**: Manual Focus (FAR direction)

**Image Filter**
- **−**: Ruler Color Change (Black→White→Green→Pink→Red→Yellow→Blue)
- **Normal**: Normal: Ruler On/Off
- **+**: 2 Axis <-> 4 Axis Ruler Change

**Zoom/Rotate**
- **ZOOM**: 1.5x  3x  1x Toggle
- **Normal**: Original image
- **Rotate**: 180 degree rotation

**Brightness**
- **−**: Less Brightness
- **0**: Original Image
- **+**: More Brightness
Target Market

- Quality Check
- IT Hardware
- Jewel & Antiques
- Printing
- Bank
- Textile
Display temperature data flow that is stored in smart G-Scope.

It can be displayed, when Temp. End-Cap is attached with Smart G-Scope. Max. 1K unit data with date and time can be displayed.
To get the right data of the measurement, you should do calibration as follows.

1. Specify the calibration length.
2. Input the real value of the length.

Measurement of Length, Circle, Area and Angle of the target object.

1. Linear measurement
2. Measure in a circle
3. Measure with a square
4. Angle measurement
5. Insert text
6. Select line color
7. Image Capture
8. Auto Focus
9. Switch Focus & Select 3 areas with different focus value Interval time to show between the area
The Ruler for Automatic measurement

2 Axis Ruler

4 Axis Ruler

Ruler unit: Automatically change the value, whenever AF button (Auto Focus) is operated.
It is a stand series of Full aluminum that can be purchased for users who want more comfortable and precise observation.

**G-SCOPE™ Standard Fixture**
SGS-D100

- A low cost Fixture
- fixtures are made of durable aluminum

**G-SCOPE™ Lighting Fixture**
SGS-L100

- To reduce the lighting reflection (Lighting Arms)
- To inspect a liquid object (Lighting plate)

**G-SCOPE™ Precision Fixture**
SGS-H100

- A High Precision Fixture
- X,Y Moving using the screw

**G-SCOPE™ All-In-One Fixture**
SGS-A100

- Precision Fixture + Tablet pc stand
- Depending on the user eye level, monitor level can be adjusted at 3 angles.