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

<table>
<thead>
<tr>
<th>Attachable End Cap</th>
<th>3PI Corner End-Cap</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

<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>Remote Control</td>
<td>R 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>O/S</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

![G-SCOPE Standard Package Diagram]
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
the fastest Autofocus of G-SCOPE will be highly helpful to the operator.

Fast AF

(-) 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.

Basic End-Cap
For a normal inspection

Capillary End-Cap
Inspect Human’s finger Capillary

Dental End-Cap
for dental care service

Temp End-Cap
For measuring the temperature

Ear End-Cap
for observing the inner ear

Iris End-Cap
for observing iris

3Pi End-Cap
For a corner area inspection

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

- For high quality Image Lighting Arms
- To inspect Liquid Object Lighting Plate

**G-SCOPE™ Lighting Stand SGS-L100**

Smart G-Scope fixtures are made of durable aluminum.

1. **Lighting Plate**
   It can be changed by R, G, B color acrylic plate. Default is White color and others is optional.

2. **Lighting Arms**
   It can be changed by R, G, B color LED. Default is White LED and others is optional.

3. **Stage clip**
   It holds the object.

4. **DC Power Socket**
   12V /1A DC Power is used.

5. **Dimming switch**
   It controls lighting power and ON/OFF.

6. **Lighting Select switch**
   It selects lighting source between lighting plate and lighting arms.
- No restriction on anywhere between indoor and outdoor.
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: 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
- Original Image
- More Brightness
PC Software

Matching
Capture
Recording
Calibration
Measurement
Auto Focus
Manual Focus
Temperature

Android Software

Auto Focus
Rotate, Mirror & Flip
Camera setting
Movie recording
Image Capture
View the stored images
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.
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.