

GW Micro The Voice
of Vision

SenseView Duo User Guide

The logo features a stylized 'S' and 'V' in red and black, followed by the text 'SenseView DUO' in red and black.

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1. SenseView Duo Package

Thank you very much for choosing the SenseView Duo. Please check to make sure the following items are included in the SenseView Duo Package:

- (A) SenseView Duo
- (B) AC power adapter
- (C) Bag
- (D) Strap
- (E) User guide

2. General Instructions

(A) The battery must be fully charged for approximately 3 hours prior to initial use. Please connect the supplied AC power adapter to DC-in in order to charge the battery.

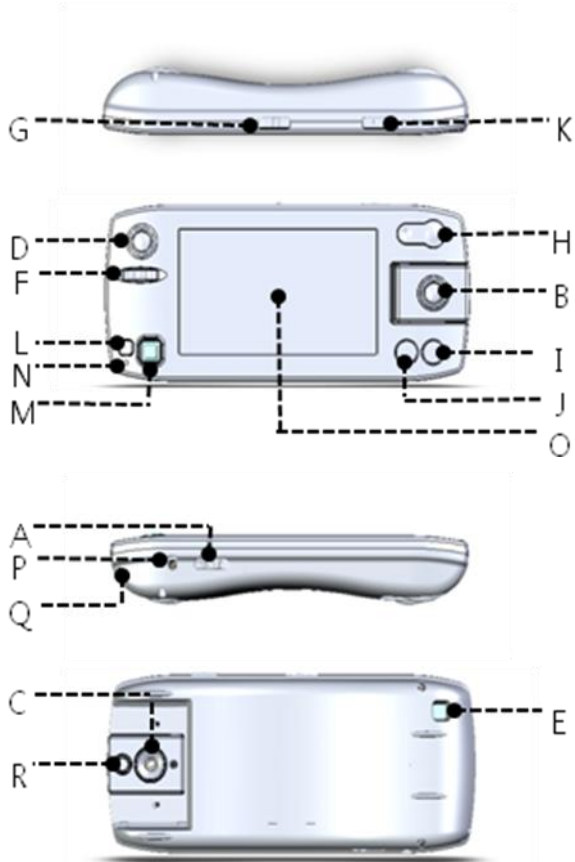
(B) To avoid electrical damage, please use the supplied AC power adapter only.

(C) To prevent fire or shock hazard, do not expose this unit to water or moisture.

(D) Please do not disassemble. Please refer

all servicing questions to qualified service personnel only.

3. Configuration



- (A) Power on/off switch
You can turn the SenseView on by sliding the switch into the opposite direction of DC-in and turn off by sliding once more.
- (B) Close-up & handwriting camera indicator
The lamp turns on when close-up & handwriting camera is selected, and flickers in the power-saving mode.
- (C) Close-up & handwriting camera
- (D) Distance camera indicator
The lamp turns on when distance camera is selected, and flickers in the power-saving mode.
- (E) Distance camera
- (F) Focus knob for distance camera
You can focus the distance camera by rotating the wheel back and forth.
- (G) Camera selection switch
You can select the close-up &

handwriting camera or distance camera by moving the switch to the desired side.

(H) Zoom-in/out button

You can change the magnification rate with 10 levels. Detailed magnification rate at each level is explained in the **Digital Zoom Rate Table** section.

(I) Color mode button

You can change colors on the LCD with 7 different combinations in the close-up camera and 6 different combinations in the distance camera, respectively. When you switch to the distance camera from the close-up camera, the color mode is changed into full color mode automatically, regardless of the color mode of the close-up camera. When you return to the close-up camera from the distance camera, the color mode is also restored to the original setting. The full color mode is to view an object with its original color and the enhanced color mode is to view a text with high contrast. In the enhanced color mode, an object

can be seen as brightened and changed colors.

- 1. Full color
- 2. Enhanced color (close-up camera only)
- 3. Black on white background
- 4. White on black background
- 5. Yellow on black background
- 6. Yellow on blue background
- 7. Blue on white background

(J) Brightness button

You can change the brightness on the LCD with 4 different levels.

(K) Image capture button

You can capture the image which you are looking at, and store the image, by pressing the button and holding it for more than 1.5 seconds.

(L) Menu button

When you press this button, five icons will be appeared in a row at the bottom of the LCD.

(M) Panning/selection key

This key has 5 buttons: right, left, up, down and center. After you press Menu button(L), you can navigate among following functions:

1. Open the stored images one by one
2. Erase the stored images
3. Close-up camera light on/off
4. Check available storage capacity for storing images
5. Sound on/off

How to use this key is explained in the **How to Use Each Function** section.

(N) Battery charging indicator

When you are charging the battery, the lamp is in red. It is changed to green after fully charged.

(O) LCD screen

(P) DC-in

Insert the AC power adapter to charge

the battery here. To avoid electrical damage, please use the supplied AC power adapter only.

(Q) Strap hole

(R) Lamp for handwriting mode

4. How to Use Each Function

(1) Power on/off

You can turn the power on by sliding the Power on/off switch (A) into the opposite direction of DC-in and turn the power off by sliding it once more.

(2) Distance camera mode

- You can select distance camera by sliding the Camera selection switch (G) to the distance camera.
- You can look at the objects from 1m (3.3 feet) away or further.
- You can rotate the Focus knob (F) to focus the distance camera. If you rotate the knob into the leftmost position like as Figure1, you can look

at the object from 1m. As you rotate the knob into the right position, you can look at the object further away.



<Figure 1>

(3) Close-up & handwriting camera

You can select the close-up and handwriting camera by sliding the Camera selection switch (G) to the right.

(4) Reading mode/handwriting mode

Select the handwriting mode by tilting the close-up camera, like in Figure 2.



<Figure 2>

(5) Image storing

You can capture the image which you are looking at by pressing the Image capture button (K). You can store the captured image by pressing and holding this button once more for more than 1.5 seconds. If you do not want to store the captured image, press this button again for less than 1.5 seconds. You can store up to 20 images.

You will hear an alarm sound and/or see a flickering red 20 when you press the Image capture button (K) for more than 1.5 seconds and 20 images are stored. You must erase the stored images to keep additional images when you have 20 images that are stored. Please refer to the **Erasing Pictures** section. The stored images are not deleted when turning off the unit.

(6) Opening saved images

You can open the stored images by doing the following in order:

1. Press the Menu button (L).

2. Move to the following icon – Figure 3 - for opening the stored images by pushing the Panning/selection key (M) to the right or left direction.



<Figure 3>

3. Press the center of Panning/selection key (M). Then you can find an image which is stored most recently. You will hear an alarm sound and/or see a flickering 00 when there are no stored images.
4. Move to the desired picture by pushing the Panning/selection key (M) to the right or left.
5. You can magnify the selected image by pressing the Zoom in/out button (H) and pan it by pushing Panning/selection key (M) to the right or left direction, as well as change colors by pressing the Color mode button(I). Panning is NOT available in zoom level 1.
6. Press Menu button (L) twice to return

to the normal viewing mode.

(7) Erasing pictures

You can erase the stored images by doing the following in order:

1. Move to a picture to erase as explained in the 'Opening saved image'.
2. Press the Menu button (L).
3. Move to the following icon - Figure 4 - for erasing image by moving the Panning/selection key (M) to the right or left.



<Figure 4>

4. Press the center of the Panning/selection key (M) and you can see above the icon to confirm if it is the exact image which you want to delete.
5. Press the center of Panning/selection key (M) once more to delete the selected image. The deleted images can NOT be restored in any case.

After deleting an image, you can delete more images on the screen by continuing to press the center of the Panning/selection key (M). You will hear an alarm sound and/or see a flickering 00 when there are no stored images to delete.

6. Press Menu button (L) twice to return to the normal viewing mode.

(8) Panning

1. You can pan the image on the screen in normal viewing, capture status, and the stored image mode by moving the Panning/selection key (M) in the four directions (up, down, right and left).
2. Panning is NOT active in zoom level 1. You need to increase the zoom level to 2 or more by pressing + (plus) on the Zoom-in/out button (M).

(9) Power-saving mode

1. If you don't move the product for 3 minutes while it is turned on, power-saving mode will be activated. In the power-saving mode, the LCD turns off

and the camera indicator flickers.

2. You can cancel the power-saving mode by pressing any button or move the product. However, if you were looking at a captured or saved image before the power-saving mode began, the power-saving mode is not cancelled by moving the product. You need to press any button to wake up the unit.
3. If you don't use the product for 7 minutes after power-saving mode, it turns off automatically.
4. You need to slide the Power on/off switch (A) again if you want to wake the SenseView Duo up after auto power-off.

(10) Battery status

1. You can check battery status by pressing the Color mode button (I) and Brightness button (J) simultaneously.
2. The battery status is displayed for 3 seconds on the screen like as in Figure 5 in blue, and in blue when the

AC adapter is not connected.



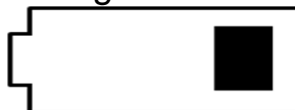
<Figure 5>

3. Please connect the supplied AC power adapter to charge the unit when the battery status flickers, like as in Figure 6.



<Figure 6>

4. The battery status is in red, like as in Figure 7, when this unit is being recharged by connecting the AC power adapter to the DC-in. When the unit is fully charged, the color of the battery indicator icon is changed to green like as Figure 8.



<Figure 7>

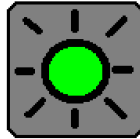


<Figure 8>

(11) Close-up camera light on/off

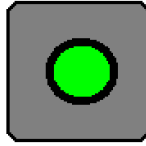
You can turn the close-up camera light on or off by doing the following:

1. Press the Menu button (L).
2. Move to the following icon - Figure 9 - for close-up camera light-off by pushing the Panning/selection key (M) to the right or left direction.



<Figure 9>

3. Press the center of Panning/selection key (M) to turn off the light.
4. If you want to restore the light, press the Menu button (L) and move to the following icon - Figure 10 - by pushing the Panning/selection key (M) to the right or left direction.



<Figure 10>

5. Press the center of the Panning/selection key(M) to turn the light on.

(12) Sound on/off

You can turn the sound on or off by doing the following:

1. Press the Menu button (L).
2. Move to the following icon - Figure 11 - for sound-off by pushing the Panning/selection key (M) to the right or left direction.



<Figure 11>

3. Press the center of Panning/selection key (M) to turn off the sound.
4. If you want to restore the sound, press the Menu button (L) and move to the following icon - Figure 12 - by

pushing the Panning/selection key (M) to the right or left.



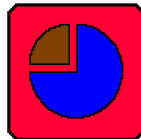
<Figure 12>

5. Press the center of the Panning/selection key (M) to turn the sound on.

(13) Storage capacity

You can check available storage capacity for storing images by doing the following in order:

1. Press the Menu button (L).
2. Move to the following icon - Figure 13 - for storage capacity by pushing the Panning/selection key (M) to the right or left direction.



<Figure 13>

3. Press the center of Panning/selection key (M). Then you can see the remaining number of images that can

be stored.

4. Press Menu button (L) twice to return to the normal viewing mode.

5. Technical Specifications

(A) LCD: 4.3 inch WQVGA TFT LCD (16:10 wide type)

(B) Magnification rate: 3x ~ 13x (close-up camera)

(C) Brightness: 4 levels

(D) Color mode: 7 color modes

- 1. Full color
- 2. Enhanced color (close-up camera only)
- 3. Black on white background
- 4. White on black background
- 5. Yellow on black background
- 6. Yellow on blue background
- 7. Blue on white background

(E) Close-up reading & handwriting camera

(F) Distance camera

(G) Battery: Rechargeable lithium polymer

- Continuous use: 4.5 hours
- Recharging time: 3 hours

(H) Size(W*D*H) : 17.8 x 7.8 x 2.8cm
7" x 3" x 1.1"

(I) Weight : 261g, 0.57lb

6. Digital Zoom Rate Table

(A) Close-up camera

Zoom Level	Digital Zoom Rate
Level 1	3.2x
Level 2	3.8x
Level 3	4.6x
Level 4	5.4x
Level 5	6.5x
Level 6	7.3x
Level 7	8.2x
Level 8	9.6x
Level 9	11.2x
Level 10	13.4x

Digital zoom rate 3.2 in zoom level 1 means that object of 1cm long is displayed as 3.2cm long on the screen.

(B) Distance camera

Zoom Level	Digital Zoom Rate
Level 1	1.0x

Level 2	1.2x
Level 3	1.4x
Level 4	1.7x
Level 5	2.0x
Level 6	2.3x
Level 7	2.5x
Level 8	2.9x
Level 9	3.4x
Level 10	4.1x

Digital zoom rate is the relative magnification rate which is compared with the zoom level 1 on the screen.

7. Warranty

(A) Warranty term is for 2 years except for the battery.

(B) Warranty term of the battery is 6 months.

(C) Warranty does not cover the problems due to the user's fault.

8. FCC Warning

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.