



## Pictor Plus Technical Description

### CAMERA:

**Type:** PICTOR Plus Handset (VP2HAND)

**Image sensor:** CMOS, 5.0 Megapixels

**Image memory type (pre-May 2015):** 4 GB, micro SD card

**(May 2015 - June 2019):** 8 GB, SD card

**(post-June 2019):** 16 GB, SD card

**Display:** 2.4", TFT-LCD, 262 000 million colors, antireflective coating

**Image format:** JPEG (file extension: jpg)

**Video format:** MPEG-4 and MPEG-1

**USB Connectivity:** PC with USB

**WIFI Connectivity:** 802.11gn, WPA2

Frequency range: 2412 – 2462 MHz

Max radiated power: 17 dBm

**Operating systems:** Windows 7®, Windows 8®, Windows 10® No driver installation needed

**Dimensions:** 82.30(w) x 166.50(h) x 66.50(d) mm

**Weight:** 400 g

**Battery:** Rechargeable Ni-MH Cylinder cell, HR4U 700 AAA, 4.8 V, 1.0 Ah User can change battery. Batteries provided by Volk Optical.

**Usage time:** 1h 30min with full battery

### CHARGING CRADLE:

**Type:** PICTOR Plus Cradle (VPCRADLE)

**Dimensions:** 170(w) x 35(h) x 150(d) mm

**Weight:** 380 g

**SWITCHING POWER SUPPLY CONNECTED TO CRADLE:**

**Type:** CINCON TR10R090 Input: 100-240 V ~0.4A 47-63 Hz Output: 9V, 1.1A, 10W

**USB cable:** Type A to mini B, high-speed, unshielded, length 1.8 m



## **NON-MYDRIATIC OPHTHALMIC MODULE VP2RET CONNECTED TO THE PICTOR PLUS HANDSET VP2HAND:**

**Type:** Pictor Plus Retina (VP2RET)

**Intended use:** Intended to capture digital images and video of the fundus of the human eye.

**Illumination:** Infrared LED for targeting Visible white LED for photographing 10 illumination brightness levels 9 red Internal fixation target LEDs

**Maximum Luminance output level towards eye:** 95.8 cd/cm<sup>2</sup>

**Field of view:** 40°

**Diopter compensation:** - 20 D to + 20 D

**Image resolution:** 1536 x 1152 px (total 1.8 Mpix, informational area 1.41 Mpix)

**Dimensions:** 160x73mm

**Weight:** 310 g

## **EXTERNAL OPHTHALMIC MODULE VP2ANT CONNECTED TO THE PICTOR PLUS HANDSET VP2HAND:**

**Type:** Pictor Plus Anterior (VP2ANT)

**Intended use:** Digital eye anterior optics module. Intended to capture digital images and video of the surface of the human eye and surrounding areas.

**Illumination:** Visible white and cobalt blue LED for photographing 10 illumination brightness levels

**Maximum Luminance output level towards eye:** 192 cd/cm<sup>2</sup>

**Image resolution:** 2560 x 1920 px

**Dimensions:** 79 x 70 mm

**Weight:** 90 g

By following these steps, the VistaView application will be operational again. If you need any additional assistance, please contact customer support at [support@volk.com](mailto:support@volk.com), or call us at 440-942-6161.