

Projection Vein Finder Introduction

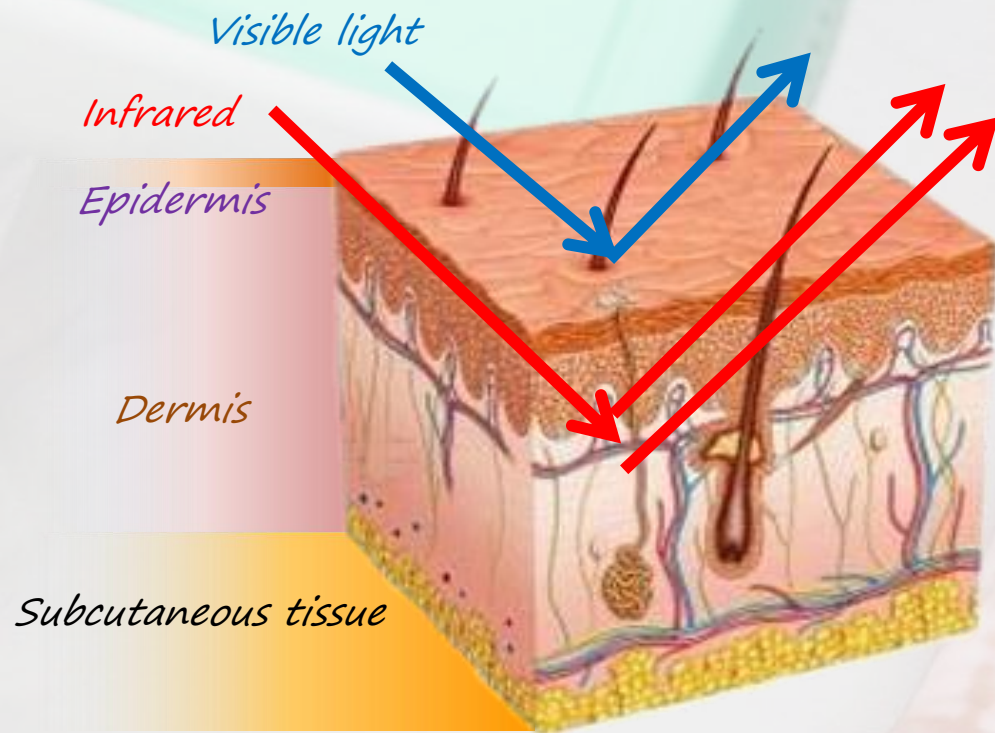
V800F/P



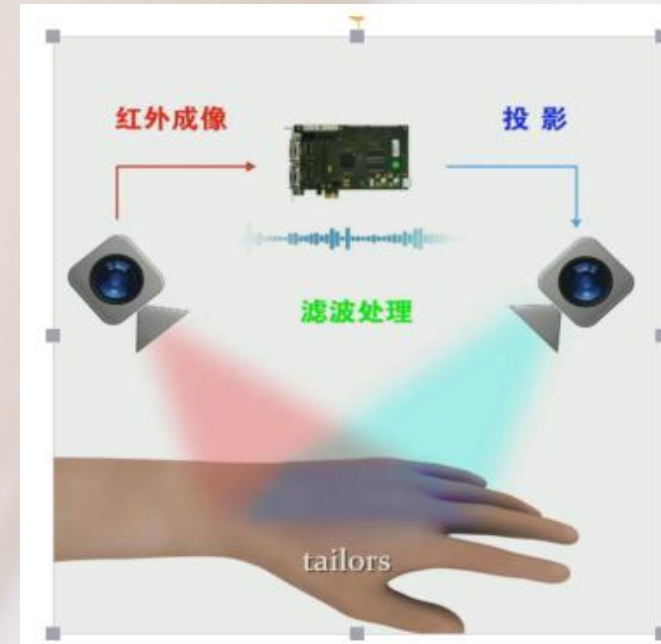
- A brand of Vivolight -

Shenzhen Vivolight Medical Device & Technology Co., Ltd

1.1 Principle

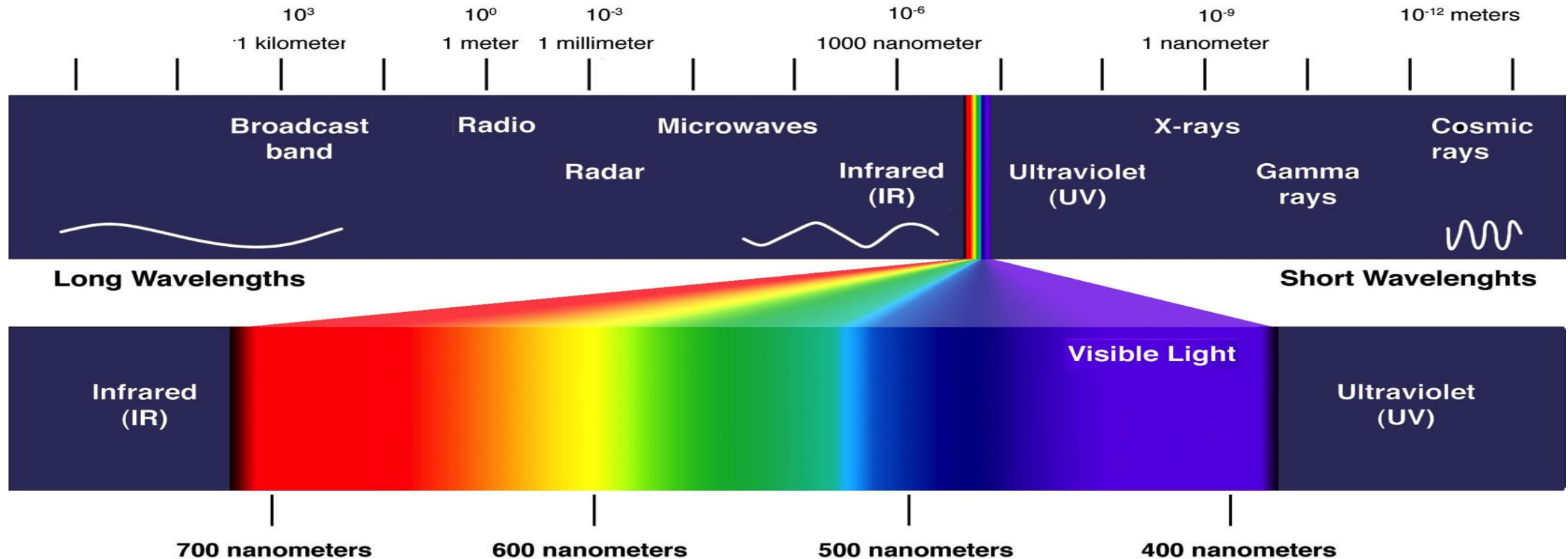


Infrared light has stronger penetrative power over the skin. Hemoglobin has higher absorbance of infrared light than other tissues.



Perceive the intensity of infrared light and digital imaging processing
Display vein image onto the surface of skin.

1.1 Principle



Light source – Near Infrared Light 850 nm & 850 nm

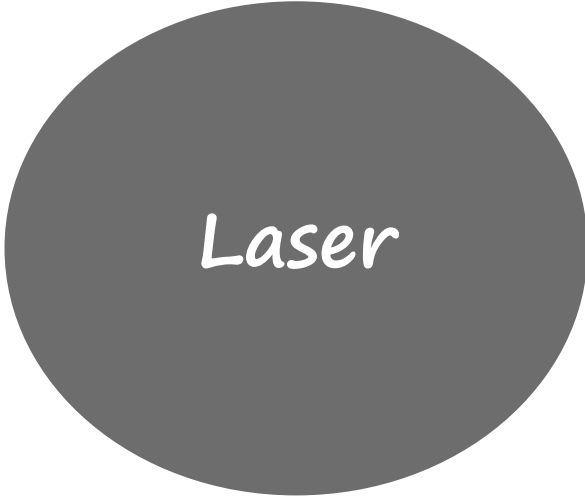
1.2 Safety



Infrared

No radiation
Comfortable Vision

VEINCAS



Laser

Hazards to the human eye
Dazzled by the strong light

COMPETITOR

2.1 Model

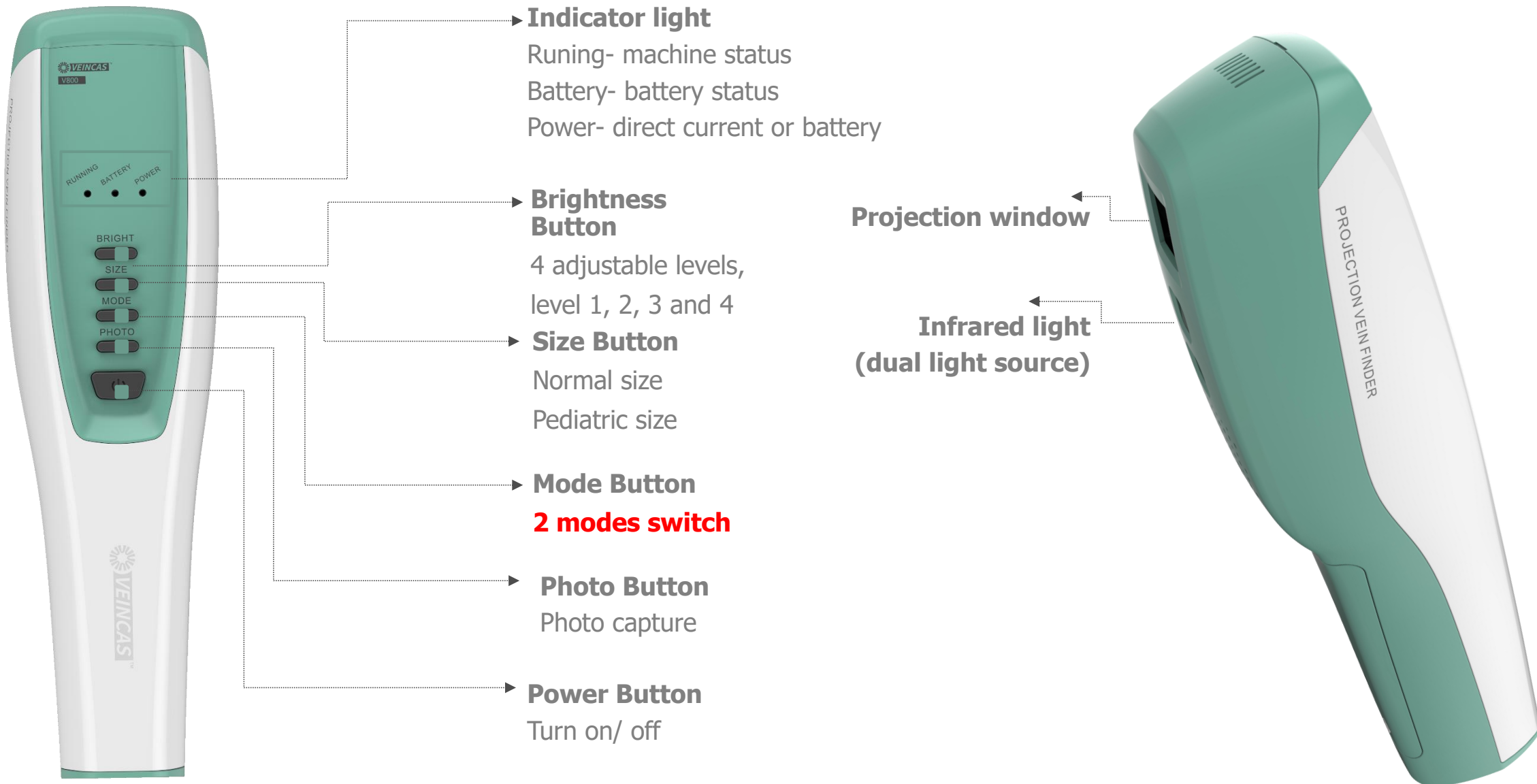


V800F:V800 Foundation Version



V800P:V800 Professional Version

2.2 V800F Interface



V800P Interface



Indicator light

Running- machine status
Battery- battery status
Power- direct current or battery

Brightness Button

4 adjustable levels,
level 1, 2, 3 and 4

Size Button

Normal size
Pediatric size

Mode Button

7 modes switch

Photo Button

Photo capture

Power Button

Turn on/ off

2.3 Various Stands Available



- Table Stand
- V800F/V800P



- Floor Stand VE (Basic)
- V800F/V800P



- Floor Stand VS (Dulexe)
- V800F/V800P

2.4 V800F – Two Operation Modes



Basic mode



Green light mode

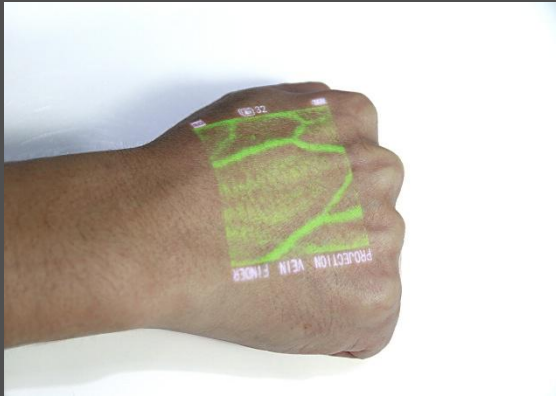
Simulate the color of veins
Less interference by miscellaneous

2.4 V800P – Seven Operation Modes

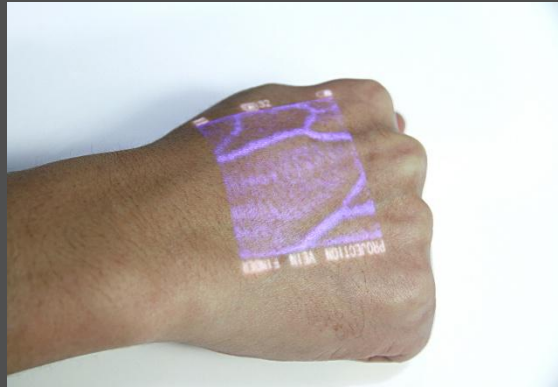


Four display colors

Simulate the color of veins. Less interference by miscellaneous.



Green light mode



Blue light mode



Red light mode

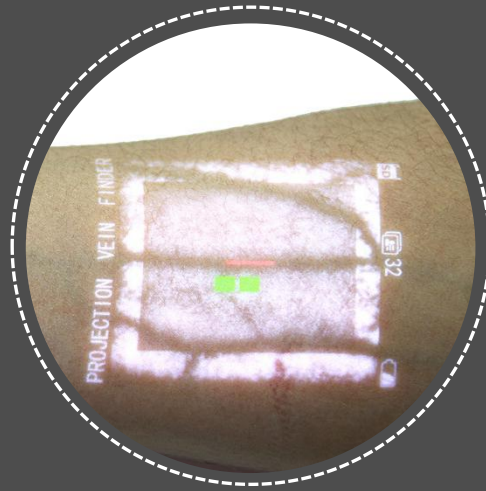


Violet light mode

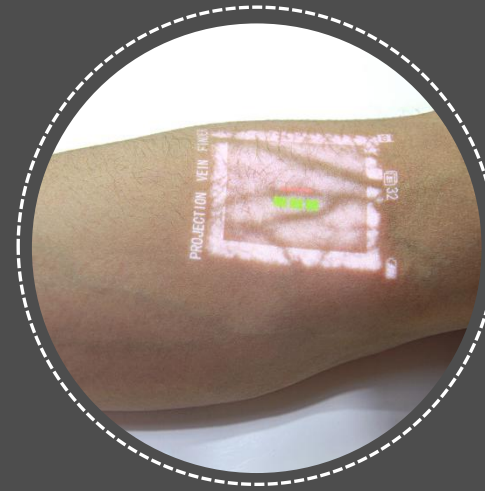
Depth detection mode



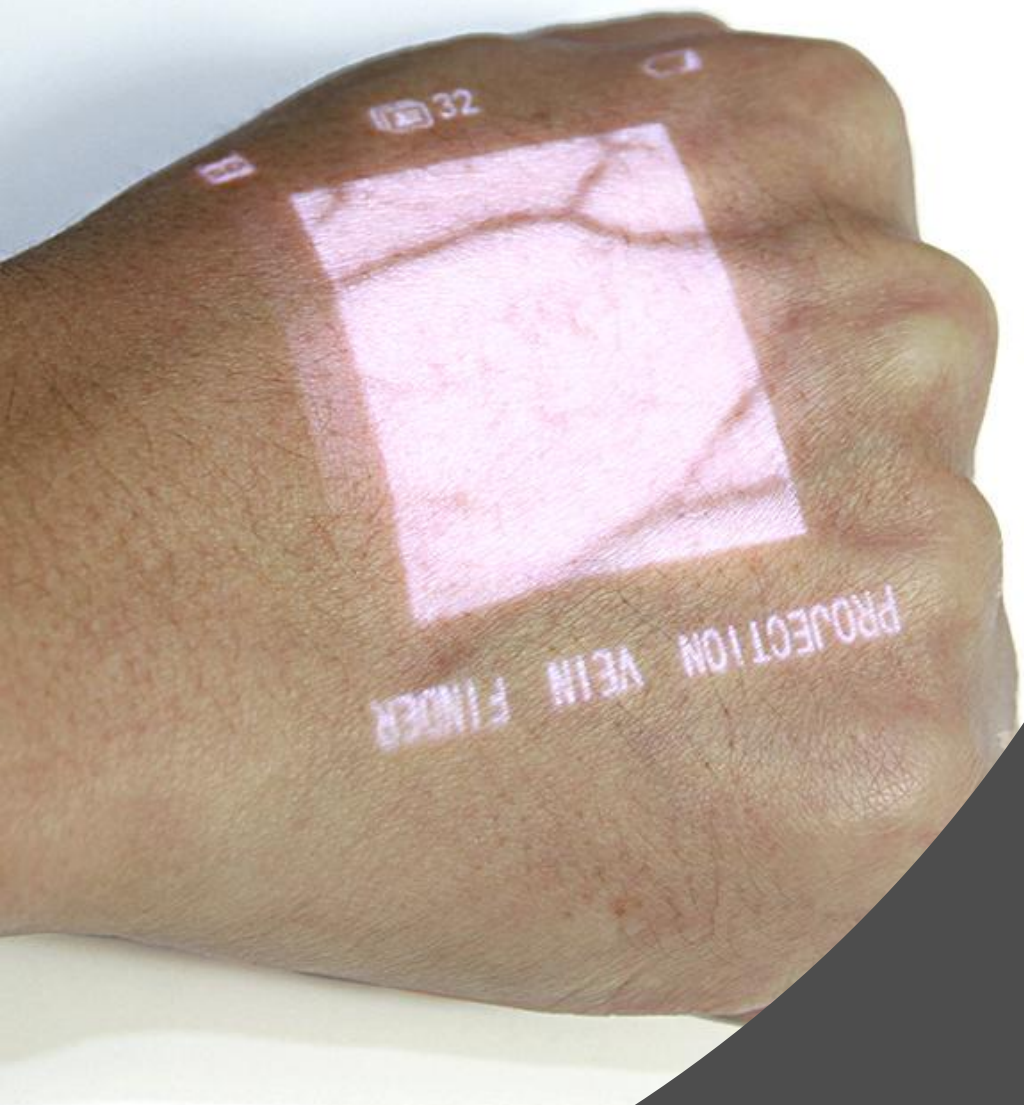
1 green light
0-2mm



2 green lights
2-4mm



3 green lights
4-6mm



Fine mode

Strengthen the projection of vital veins and precisely indicate the center and direction; diluting the projection of tiny veins

2.5 V800F/V800P – Pediatric Size



Normal size



Pediatric size

To avoid interference of large projection image on Pediatric patients

2.6 V800F/V800P – Brightness Adjustment (four levels)



Level 1



Level 2



Level 3

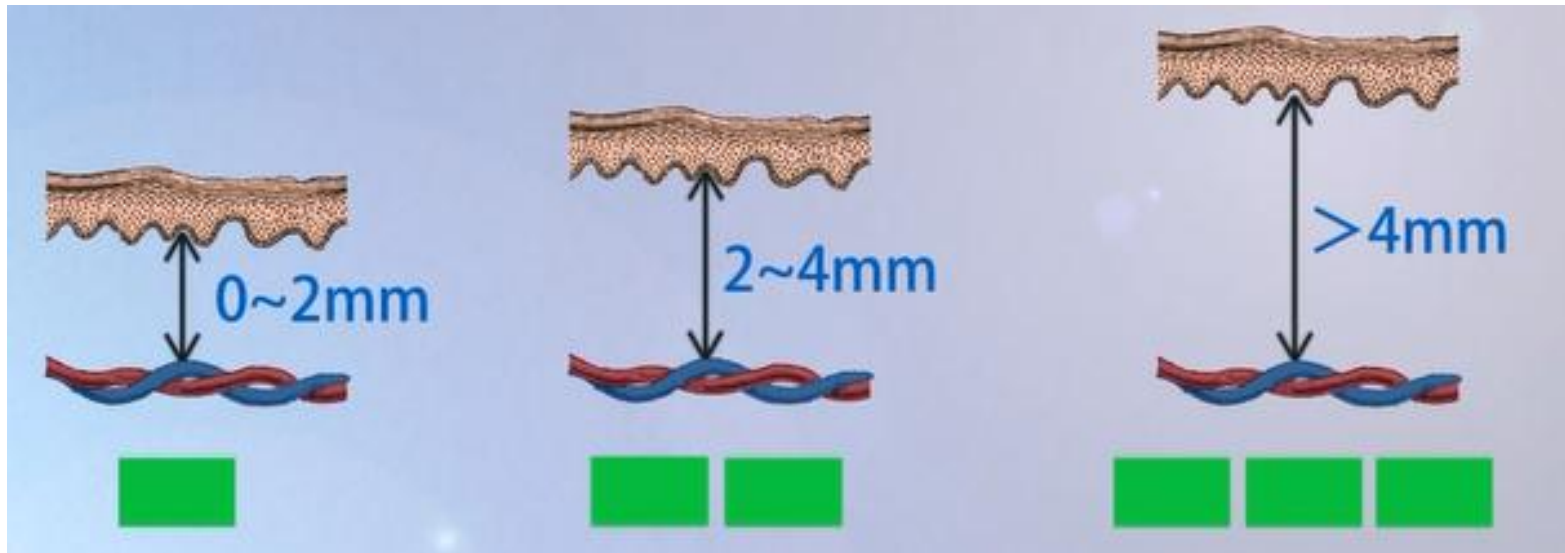
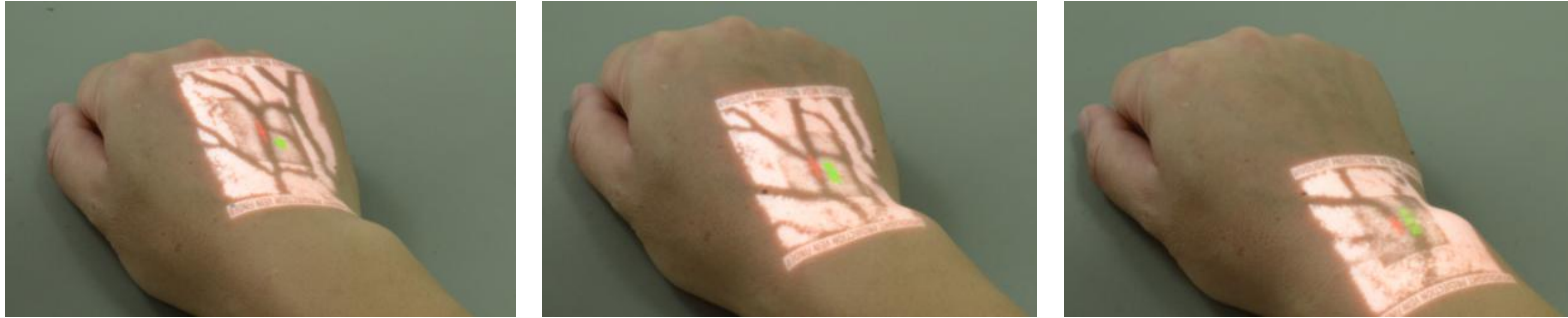


Level 4

2.7 V800P/V800F Configurations

Configurations	V800P	V800F
Light type	NIR	NIR
Infrared wavelength	850nm & 850nm	850nm & 850nm
Basic mode	Yes	Yes
Pediatric size	Yes	Yes
Depth recognition	Yes	No
Fine mode	Yes	No
Adjustable brightness	Yes	Yes
Projection colors	Green, Blue, Red, Violet, White	Green, White
Photo & Storage	Yes, 16 GB	Yes, 16 GB
USB output	Yes	Yes
Infrared radiation value	$\leq 0.6\text{mW/cm}^2$	$\leq 0.6\text{mW/cm}^2$
Image resolution	854*480pixel	854*480pixel
Depth of investigation	$\leq 8\text{ mm}$	$\leq 8\text{ mm}$
Optimal imaging distance	$210\text{mm} \pm 30\text{mm}$	$210\text{mm} \pm 30\text{mm}$
Net weight	350g	350g
Product volume	228*63*62mm	228*63*62mm
Built in rechargeable battery	Yes	Yes
standby time	$\leq 4.5\text{h}$	$\leq 4.5\text{h}$
charging time	$\leq 3.5\text{h}$	$\leq 3.5\text{h}$
Stand	Optional	Optional

3.2 National Patent——World's First Depth Detection Mode



shallow

deep

deeper

The red line will target the vein, the number of green lights indicate vein depth.

3.3 Core Technology——Dual Near-infrared light source

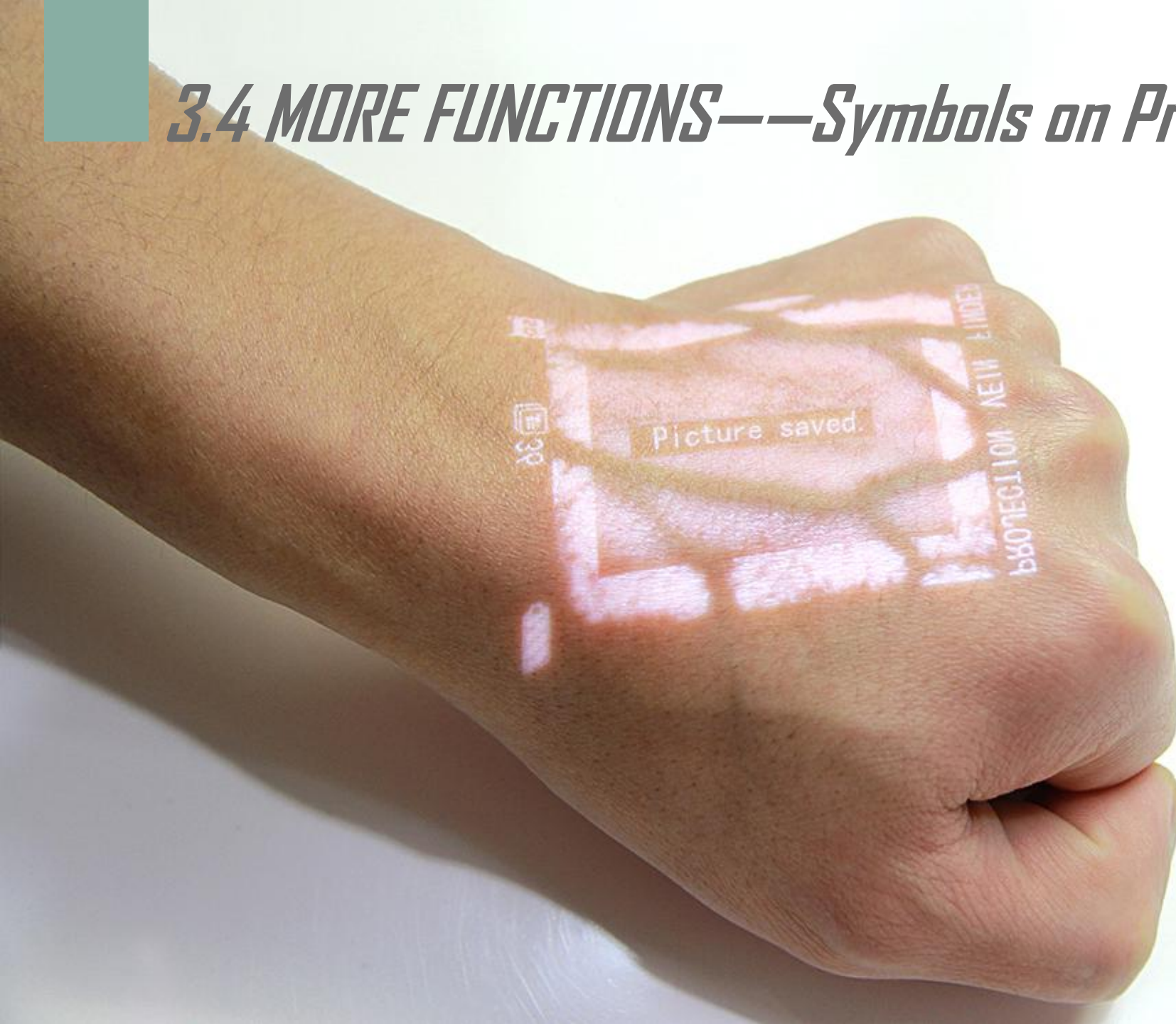
INTENSIVE INFRARED LIGHT

ACCURATE PROJECTION

SHARP IMAGE



3.4 MORE FUNCTIONS—Symbols on Projection Image



Battery indicator

Charging status

Memory card detection

Storage display

3.4 MORE FUNCTIONS—Image capture



Image capture

Image storage

Image export

4.3 Cliniccal applications & Vein Evaluation



Vascular access is the most common invasive medical procedure

Vascular access Failed causes: young age, dark skin, general anxiety, a critically ill condition, and chronic illness

Improve first stick success rate and offer vein evaluation for those who with special needs

