

Digital RSICV
deployment

color

Vein Finder

OBM OEM ODM

Proprietary technology:
deep neural network inference and computation

Vein Finder color

Visual vein locator

- ▶ OEM ▶ ODM
- ▶ OBM ▶ R&D

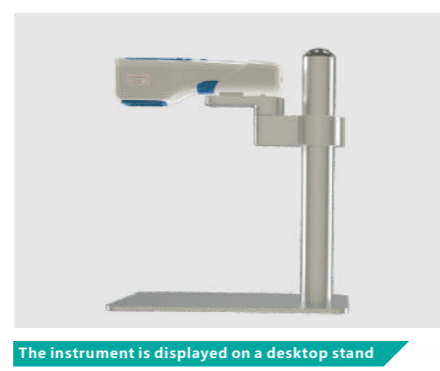


The main function is to eliminate the influence of DVA (difficulty accessing veins) risk factors, display veins accurately, clearly, and in real time, assist medical staff in smoothly performing venipuncture, significantly improve the success rate of the first venipuncture, and shorten the venipuncture time. The working principle is to utilize deoxyhemoglobin in veins and the different absorption of near-infrared light by surrounding tissues, convert the information through photoelectric conversion and image processing, and finally display the veins clearly on the skin. With the advent of a venous imaging device, venipuncture has never been so simple!

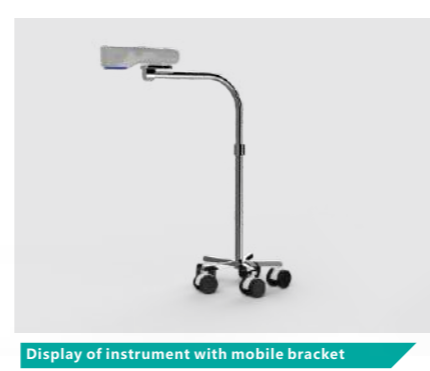
Target audience: This instrument is suitable for any patient with DVA (difficulty in accessing veins).

There are primarily the following categories of people:

- Infant and child patients • Obese patients • Swelling patients • Multiple chemotherapy patients
- Patients with poor vascular elasticity • first aid • shockSudde • Sudden decrease in blood volume



The instrument is displayed on a desktop stand



Display of instrument with mobile bracket

Product Features

The clinical rendering utilizes infrared 850nm wavelength light, which is non-radiative and provides real-time dynamic imaging. It offers multiple display modes, including red, yellow, white, green, and inverted colors, allowing for the switching of display images for puncture based on the specific scene and patient. The machine can be equipped with various working brackets, such as desktop fixture, desktop placement, floor-standing mobile, and handheld models, facilitating use in different departments and scenarios. This greatly enhances work efficiency. It is the only color instrument in China that employs digital RSICV deployment, utilizing infrared 850nm wavelength light, which is non-radiative and offers real-time dynamic imaging. It provides multiple display modes: red, yellow, white, green, and inverted colors, and can switch between different display images for puncture based on the scene and patient. The machine can be equipped with various work supports, including desktop fixture, desktop placement, floor-standing mobile, and handheld models, making it convenient for use in different departments and scenarios. This significantly improves work efficiency.

Product Features

- pediatrics • Emergency Department •Oncology Department •Clinical Laboratory •Surgery
- chemotherapy war •the skin department • Beauty department



Product Features

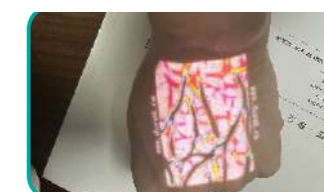
- Ten monochrome modes
- Eight color enhancement modes
- 1.5-Inch LCD screen
- The battery can be replaced
- Free charging dock
- TYPE-C charging port
- Working endurance ≥ 24 hours
- Unique color display mode
- Deep neural network computation
- Optional bracket for matching



Monochrome sleeve



Reverse colored arm



Adult Hands Back



Adult forehead



Adult neck



Adult nose



Children's forehead



Adult arm

VEIN FINDER SYSTEM

See the Veins, Ease the Puncture



| Product introduction

Venipuncture is one of the most common procedures in clinical medicine, yet its failure rate remains alarmingly high. Data shows that **the first-attempt failure rate in adults ranges from 10% to 20%**, while in children it can reach as high as **40%**. Failed venipunctures not only increase patient pain and anxiety but can also lead to treatment delays, heightened risk of infection, and even strained doctor-patient relationships. Surveys reveal that **58% of patients are dissatisfied with nurses' venipuncture skills**.

The Vein Finder System leverage the property of hemoglobin's stronger absorption of near-infrared light to **accurately render vascular images in a one-to-one scale**. This greatly improves venipuncture success rates and reduces the pain and risks of multiple attempts.



| More Accessories



Contents: ① Changeover Plug ② Power Adapter ③ Vein Finder System ④ Package

| Application



Vascular Surgery



Oncology Department



ICU



Neonatology/
Pediatrics Department



Plastic Surgery



Child ▲



Burn Patient ▲



Gerontal Patient ▲



Cosmetic Medicine ▲



Pet ▲



Dark-skin patient ▲

| Functions



Size Options

Projection options include 1/2, 2/3, and full size.



Monochrome Mode

Five color options available.



Dual-Color Mode

Displays the depth of veins beneath the skin.



Image Inversion

Allows projection color to be inverted.

| Technical Parameter

Product Name	Vein Finder System
Technical Parameter	
Type of Light Source	dual light sources of near-infrared
Image Resolution Speed	≥30 frames (no image delay)
Projector Resolution	854×480
Projection Size (full size)	90mm×60mm
Display Screen	2.4 inches
Battery Capacity	6360mAh
Optimal Projection Distance	26cm±2cm
Image Format	BMP



Vein Finder

Digital RSICV deployment

Visual vein locator

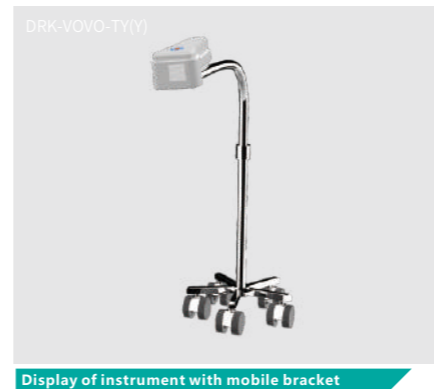
- ▶ OEM ▶ ODM
- ▶ OBM ▶ R&D

The main function is to eliminate the influence of DVA (difficulty accessing veins) risk factors, display veins accurately, clearly, and in real time, assist medical staff in smoothly performing venipuncture, significantly improve the success rate of the first venipuncture, and shorten the venipuncture time. The working principle is to utilize deoxyhemoglobin in veins and the different absorption of near-infrared light by surrounding tissues, convert the information through photoelectric conversion and image processing, and finally display the veins clearly on the skin. With the advent of a venous imaging device, venipuncture has never been so simple!

Target audience: This instrument is suitable for any patient with DVA (difficulty in accessing veins).

There are primarily the following categories of people:

- Infant and child patients • Obese patients • Swelling patients • Multiple chemotherapy patients
- Patients with poor vascular elasticity • first aid • shockSudde • Sudden decrease in blood volume



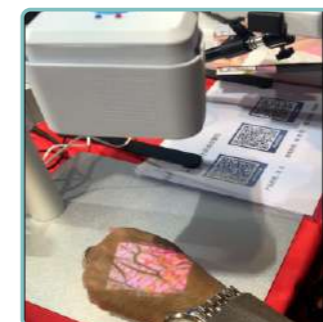
Product Features

Utilizing infrared 850nm wavelength light, featuring non-radiative properties, real-time dynamic imaging, and multiple display modes—red, yellow, white, green, and inverted colors—the device allows for the switching of display images for puncture based on the scene and patient requirements. The machine can be equipped with various working supports, including desktop clamp type, desktop placement type, floor-standing mobile type, and handheld type, making it convenient for use in different departments and scenarios. This greatly enhances work efficiency. It is the only device in China that utilizes digital RSICV for monochrome display effects. The instrument uses infrared 850nm wavelength light, with no radiation and real-time dynamic imaging. It has multiple display modes—red, yellow, white, and green reversed colors—and can switch between different display images for puncture based on the scene and patient requirements. The machine can be equipped with various working supports, including desktop clamp type, desktop placement type, floor-standing mobile type, and handheld type, making it convenient for use in different departments and scenarios. This greatly enhances work efficiency.

Product Features

- pediatrics • Emergency Department • Oncology Department • Clinical Laboratory • Surgery
- chemotherapy war • the skin department • Beauty department

Optional digital color module



Clinical rendering



the back of the hand



forehead



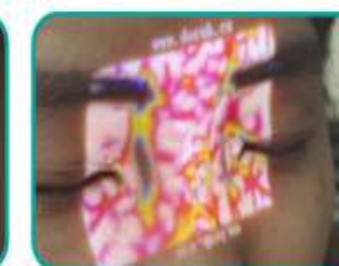
Adult Hands Back



Adult wrist



neck



nose



Child's forehead

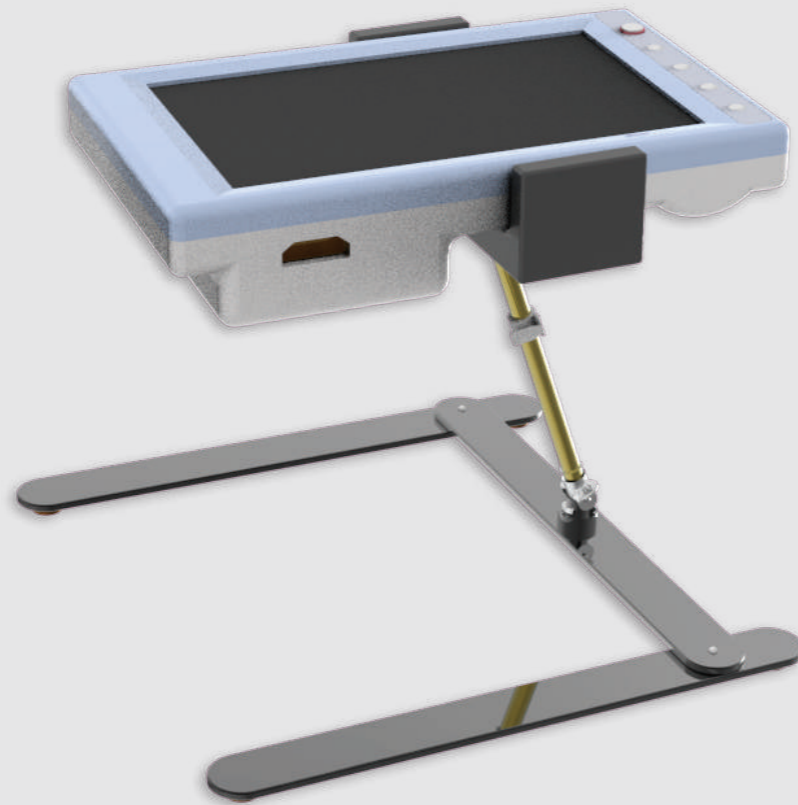


Adult arm

VEIN FINDER

LCD 5.5"

1:1 Image



High precision with zero error.

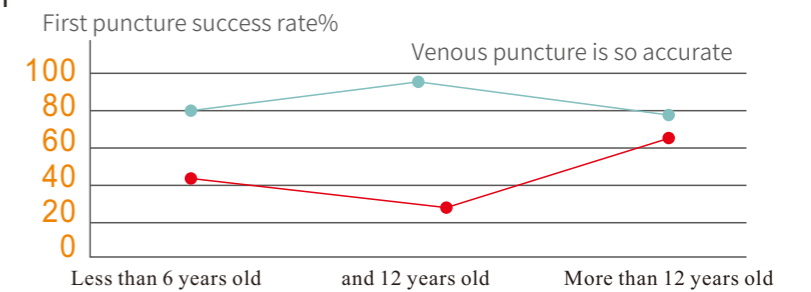
Portable high-definition vein finder

Product Features

- 5.5" IPS LCD
- HDMI video output
- Long lasting battery life
- Near infrared light without radiation
- Dual wavelength
- High precision bottom with zero error
- Breast examination

Working principle

By utilizing the different absorption of near-infrared light by deoxyhemoglobin in surrounding tissues and veins, the venous vessels are subjected to photoelectric conversion and FPGA image high-speed algorithm processing. Finally, the enhanced venous images are displayed clearly in situ on the screen



Partial risk factors of DVA

Suitable for: elderly patients, anemia, low weight, low blood pressure, obesity, dark skin complexion, polycythemia, poor venous quality (swelling, thinness, poor elasticity, high differential degree, etc.), peripheral vascular constriction (acidosis, sepsis, coldness, fear, anxiety, vascular spasm)

Delayed treatment and rescue for DVA

The average time to complete the puncture for children with DVA is 23 minutes, during which the medication cannot enter the vein, Venous drug throughput is also affected, thereby delaying the optimal treatment time and delaying rescue efforts.

Multi occasion use



Usage situation



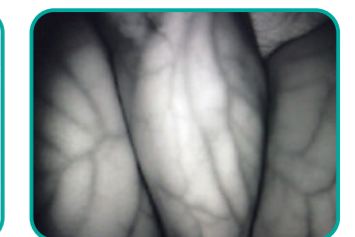
The effect of using an enhancer



Hand back effect



Arm Effect



Arm Effect

Model: YYD-08PRO

Vein Finder



Four LEDS Vein detector

Product Features:

- Power: 25W
- Touch switch
- PWM brightness adjustable
- Electronic switch
- Precision mold

The infrared vein detector transmits light and infrared mixed wavelength to the skin, and hemoglobin absorbs infrared light, so that the vein vessels on the back of the hand can be clearly displayed, so as to assist the medical staff to check the vein vessels suitable for puncture under the skin, and improve the success rate of vein puncture, which can be used in hospitals, clinics, and family transfusion with auxiliary use.

Model: YYD-01

VEIN FINDER



Product introduction

Product Features

- Power: 15W
- Mechanical switch
- Simulate brightness adjustment
- Standard mold

The infrared vein detector transmits light and infrared mixed wavelength to the skin, and hemoglobin absorbs infrared light, so that the vein vessels on the back of the hand can be clearly displayed, so as to assist the medical staff to check the vein vessels suitable for puncture under the skin, and improve the success rate of vein puncture, which can be used in hospitals, clinics, and family transfusion with auxiliary use.

Clinical application effect



Clinical application effect



Technical Parameter

Single unit package size		Technical parameter	
Single unit package size	220*110*65MM	Power	20W
FCL size	45*33.5*57CM/50pcs	Built-in lithium battery	DC12.6V 650MA
Packing specification	50 pcs /Box	Charging voltage	12.6V
FCL weight	15.1KG	Peak brightness	89000LUX
Gross weight / per unit	260g	Working current	2.1A
Switch Mode	lectronic switch/stepless	Working mode	Intermittent use ≤20S
Device size	190×24×35mm	LED	Four core LED -BridgeLux
Charger	71g		
Packing list			
Multi - purpose red light auxiliary instrument	1PCS	Instruction Manual	1PCS

Technical Parameter

Single packing size	225×110×70mm	power	15w
FCL size	470×3670×585mm	LED lamp beads	Quad core
Packing specification	50set/box	Built-in lithium battery	DC7.4V 650MA
FCL weight	14.5Kg	Charging voltage	8.4V
Gross weight of machine	260g	Charging current	1A
Net weight of machine	94g	Working current	2.1A
Machine size	190×24×35mm	Operation mode	Intermittent use <120S
Charger	71g		
Packing List			
Venous detector	1set	English manual	1set
Charger (European standard)	1set		

**Model:
YYD-02**



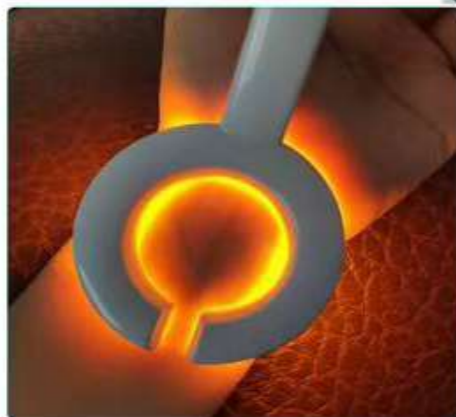
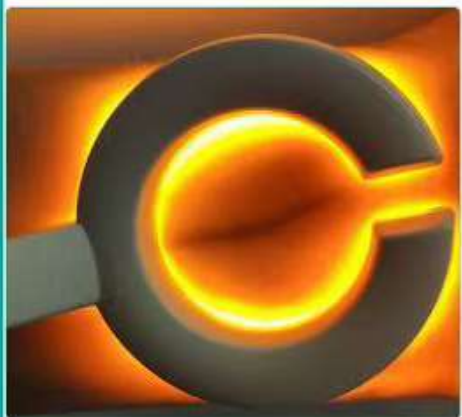
Vein detector

VEIN FINDER



Product Features

- Venous detection type
- Suitable for any area
- Built-in lithium battery
- batteryBrightness adjustable



**Model:
YYD-09**



Vein detector

VEIN FINDER

Technical Parameter

Single packing size	212X166X61	power	5w
FCL size	84X31.5X43.5CM	LED lamp beads	16 FSLEDs
Packing specification	50set/box	Built-in lithium battery	DC7.4V 650MA
FCL weight	17Kg	Charging voltage	8.4V
Gross weight of machine	0.3kg	Charging current	0.5A
Net weight of machine	0.063kg	Working current	0.55A
Machine size	130×51×19.2mm	Battery operating time	7Hs
Charger	71g	Led brightness	Dimmable Lighting
Packing List			
Venous detector	1set	English manual	1set
Charger (European standard)	1set	Tpcy-c charging cable	1set