

# SMore ViScanner VS800P

### **Description**

Compact and high performance industrial smart code scanner





#### **Features**

- Compact size, accommodate various narrow environments.
- Utilizes liquid lens technology and incorporates SmartMore's proprietary Cube A Technology autofocus algorithm, enabling quick focus adjustment.
- The TUNE button on the device enables one-click automatic parameter adjustment, significantly saving on-site debugging time.
- Offer red and white dual light sources as options, providing polarization to cope with complex scenarios.
- Designed with an M12-17PIN aviation plug, the device allows for a single cable connection, simplifying the wiring process.

### **Form Factor**

#### **Light Source**

Uses for image illumination, optional red/white light source

#### **POWER Indicator Light** Green light indicates normal operation of the

device

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#### Screw Hole Barcode reader mounting hole

Green light indicates normal network operation, while it will not light up in case of abnormalities

**LINK Network Indicator** 

#### TRIG Key / TUNE Key

TRIG key/ TUNE key, one-click is TRIG key, while a long press of 5 seconds activates the TUNE key

#### Buzzer

Sound indication upon successful or unsuccessful decoding

#### **Focus Adjustment Button**

Perform manual focus adjustment

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#### Aiming Light

Indicates the center position of the image, facilitating target alignment

#### **Image Sensor**

Uses for image capture

#### M12-17PIN Connector Cable

Provides power supply, Ethernet, serial port, and I/O functionality

#### Barcode Reading Status Indicator

Green light indicates successful barcode reading, red light indicates failed reading, and yellow light is for standby mode

## **Applications**









Electronics and semiconductors



Medical/ Pharmaceutical



**Photovoltaics** 



# **Technical Specifications**

| Model<br>Read Parameters | VS800P Liquid Focusing Series  | VS800P Manual Focusing Series |
|--------------------------|--|-------------------------------|
| Resolution (HxV)         | 1288 x 1088  |                               |
| Frame rate (fps)         | 60   |                               |
| Color/Black and white    | Black and white  |                               |
| Shutter                  | Global   |                               |
| Exposure time            | 20 µs ~ 1sec   |                               |
| Cell size                | 3µm x 3µm  |                               |
| Target frame size        | 1/4"   |                               |
| Focus method             | Liquid focus   | Manual focus                  |
| Focal length             | 6mm、16mm   | 6mm                           |
| Reading distance         | 40-300mm (@6mm)<br>100-400mm (@16mm)   | 30-300mm                      |
| Barcode types            | 1D code: Code 39、Code93、Code128、EAN-8、EAN-13、Interleaved 2 of 5、UPC、Pharmacode |                               |
|                          | 2D code:QR code, DataMatrix  |                               |
| Structure                |  |                               |
| Location indication      | 2 green light spots indicate the center area of the scanning location          |                               |
| Status indicator         | 3 status LEDs and buzzer   |                               |
| Polarizer                | Supports polarization  |                               |

#### **Communication Control & Electric Parameters**

Light source

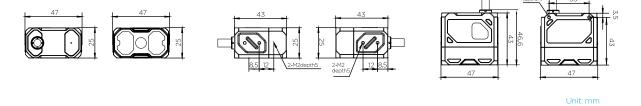
| Input control           | Two opto-isolation inputs, supports NPN and PNP types  |  |
|-------------------------|--|--|
| Output control          | Three non-isolated outputs   |  |
| Communication protocol  | TCP Server, TCP Client, ModBus TCP, ModBus RTU, Profinet, Ethernet/IP, MELSEC/SLMP, Fins, Serial |  |
| Communication interface | RS232、Ethernet   |  |
| Power supply input      | 24 VDC   |  |
| Power consumption       | 5W   |  |

Red/white light source (optional)

#### **Dimensions & Environmental Parameters**

| Dimension             | 47*25*43mm                          |
|-----------------------|-------------------------------------|
| Weight                | Approximately 110g                  |
| Operating temperature | 0~45°C                              |
| Storage temperature   | -20~70°C                            |
| Humidity              | $5\% \sim 95\%$ RH (non-condensing) |
| IP rating             | IP67                                |

# **Dimensions**



# **Accessories**

