

SMore ViScanner VS1000

Description

| Standard industrial smart code scanner |



Features

- Equipped with deep learning decoding algorithm, supports barcode reading in complex industrial scenarios.
- Supports a flexible reading range of 100mm-1000mm, perfectly adapting to complex and changing scenarios.
- Enables one-click automatic parameter adjustment, automatically perform such functions as changing focus, exposure, gain, brightness, code system search, and adjust the parameters accordingly.
- Equipped with 1&2.3MP high-performance image sensors, suitable for various small and medium-sized field-of-view.
- Supports multiple focal length lenses, with options of 8/12/16mm.
- Offers red and white dual light sources as options, with 4 groups of the LEDs individually controlled, providing 16 illumination schemes and polarization.
- Provides rich I/O interfaces for connecting multiple input and output signals.
- Ip67 protection, suitable for harsh industrial application environments.

Form Factor

M12-17PIN Connector Cable

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

M12-8PIN Connector Cable

Provides network transmission functionality

Screw Hole

Barcode reader mounting hole

TUNE Key

Smart parameter adjustment key, a long press of 5 seconds activates the TUNE key

TRIG Key

TRIG key, one-click to perform trigger operation

Error Indicator

No light is illuminated by default, but a red light is illuminated for equipment failure

LINK Network Indicator

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

Barcode Reading Status Indicator

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

Light Source

Uses for image illumination, optional red/white light source

Aiming Light

Indicates the center position of the image, facilitating target alignment

Image Sensor

Uses for image capture

POWER Indicator Light

Green light indicates normal operation of the device

TRIG Trigger Indicator

Green light indicates successful triggering

Applications



Lithium-ion



3C



Electronics and semiconductors



Medical/Pharmaceutical

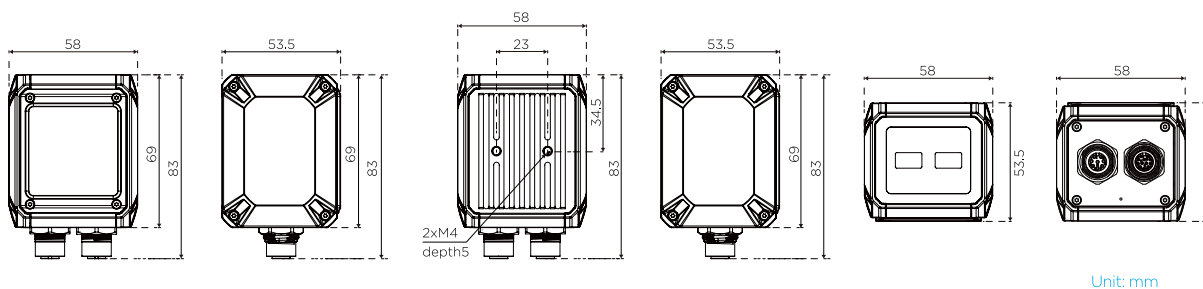


Photovoltaics

Technical Specifications

Model	VS1000 1MP Series	VS1000 2MP Series
Read Parameters		
Resolution (HxV)	1280x800	1920x1200
Frame rate (fps)	60	
Color/Black and white	Black and white	
Shutter	Global	
Exposure time	20μs~1sec	
Cell size	3μm x 3μm	
Target frame size	1/4"	1/2.6"
Focus method	Mechanical focus	
Focal length	8/12/16mm	
Reading distance	100-1000mm	
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	1 green light spot indicates the center area of the scanning location	
Status indicator	5 status LEDs and buzzer	
Polarizer	Supports non-polarization or half-polarization (optional)	
Light source	Red/white light source (optional)	
Communication Control & Electric Parameters		
Input control	Two opto-isolation inputs, supports NPN and PNP types	
Output control	Three opto-isolation 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	24VDC	
Power consumption	15W	
Dimensions & Environmental Parameters		
Dimension	58*53.5*69mm	
Weight	Approximately 220g	
Operating temperature	0~45°C	
Storage temperature	-20~70°C	
Humidity	5% ~ 95%RH (non-condensing)	
IP rating	IP67	

Dimensions



Accessories

Cable M12-12PIN-PC Connector Cable 	Cable M12-8PIN-3M Connector Cable 	Power Supply 24V Power Adapter 	L-shaped Mounting Bracket L-shaped Mounting Bracket + Screws 
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