

SMore ViScanner VS2000

Description

| Standard industrial smart code scanner |







Features

- Equipped with a 5-20MP large pixel, high-performance image sensor, which meets the requirements of largefield barcode reading.
- Integrates high-performance deep learning decoding algorithms to meet the needs of all-scenario code reading such as multi-code on one screen and largeview code reading.
- Equipped with a distance sensor, which can detect the precise distance from the measured object to the lens and achieve fast focusing.
- Adopts a modular and detachable design, provides 16/32 LED different light source module options, and supports up to 6 channels of individual control.
- Rich lens interface design, support M/C lens interface, M interface covers 8/12/16/25MM focal length.

Form Factor

Image Sensor

Uses for image capture

Light Source

Uses for image illumination, optional red/white light source

Aiming Light

Indicates the center position of the image, facilitating target alignment

TRIG Key

TRIG key, one-click to perform trigger operation

TUNE Kev

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

Shi o'Mar (C)

TRIG Trigger Indicator

Green light indicates successful triggering

Distance SensorFocusing with distance measurement assistance



Screw Hole Barcode reader mounting hole

Barcode Reading Status Indicator

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

M12-12PIN Connector Cable

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

M12-8PIN Connector Cable

Provides network transmission functionality

Error Indicator

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

POWER Indicator Light

Green light indicates normal operation of the device

LINK Network Indicator

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

Applications











Warehousing

Medical/Pharmaceutical

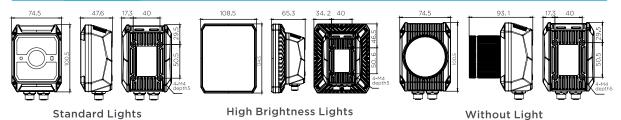


Technical Specifications

Model	VS2000 5MP Series	VS2000 20MP Series		
Read Parameters	VS2000 SMP Series	VS2000 20MP Series		
Resolution (HxV)	2448x2048	5120×3840		
Frame rate (fps)	30	15		
Color/Black and white	Black and white			
Shutter	Global	Roller		
Exposure time	20µs∼1sec	20µs∼1sec		
Cell size	2.74 µm x 2.74 µm 1.4 µm			
Target frame size	1/1.8"	1/1.8"		
Focus method	Mechanical focus/ liquid focus/ C-connector	Mechanical focus/ C-connector		
Focal length	M-connector: 8/12/16/25mm Liquid: 16mm C-connector: depends on the actual situation	M-connector: 8/12/16/25mm C-connector: depends on the actual situation		
Reading distance	100-2000mm (@8/12/16mm) 200-2000mm(@25mm)			
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 1 distance sensor is used for focusing assistance			
Status indicator	5 status LEDs and buzzer			
Polarizer	Standard light source: supports non-polarization or half-polarizartion (optional) High-intensity light source: supports non-polarization			
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	100.5x74.5x47.6mm 134.5 x 108.5 x 65.3mm(high power) 100.5x74.5x93.1mm(with lens protective cover)			
Weight	Standard lights: approximately 550g High brightness lights: approximately 750g No built-in lights: approximately 450g			
Operating temperature	0~45°C			
Storage temperature	-20 ~ 70°C			
Humidity	5% ~ 95%RH (non-condensing)			
IP rating	IP67			

Note: C-connector products do not come with a light source. The working distance is determined by the selected lens, and there are no positioning indicator lights or distance sensing units.

Dimensions



Unit: mm

Accessories

Cable	Cable	Power	L-shaped Mounting Bracket
M12-12PIN Cable	M12-8PIN Cable	24V Power adapter	L-shaped Mounting Bracket + Screws
	(0)		