

SMore ViScanner VS2000

Description

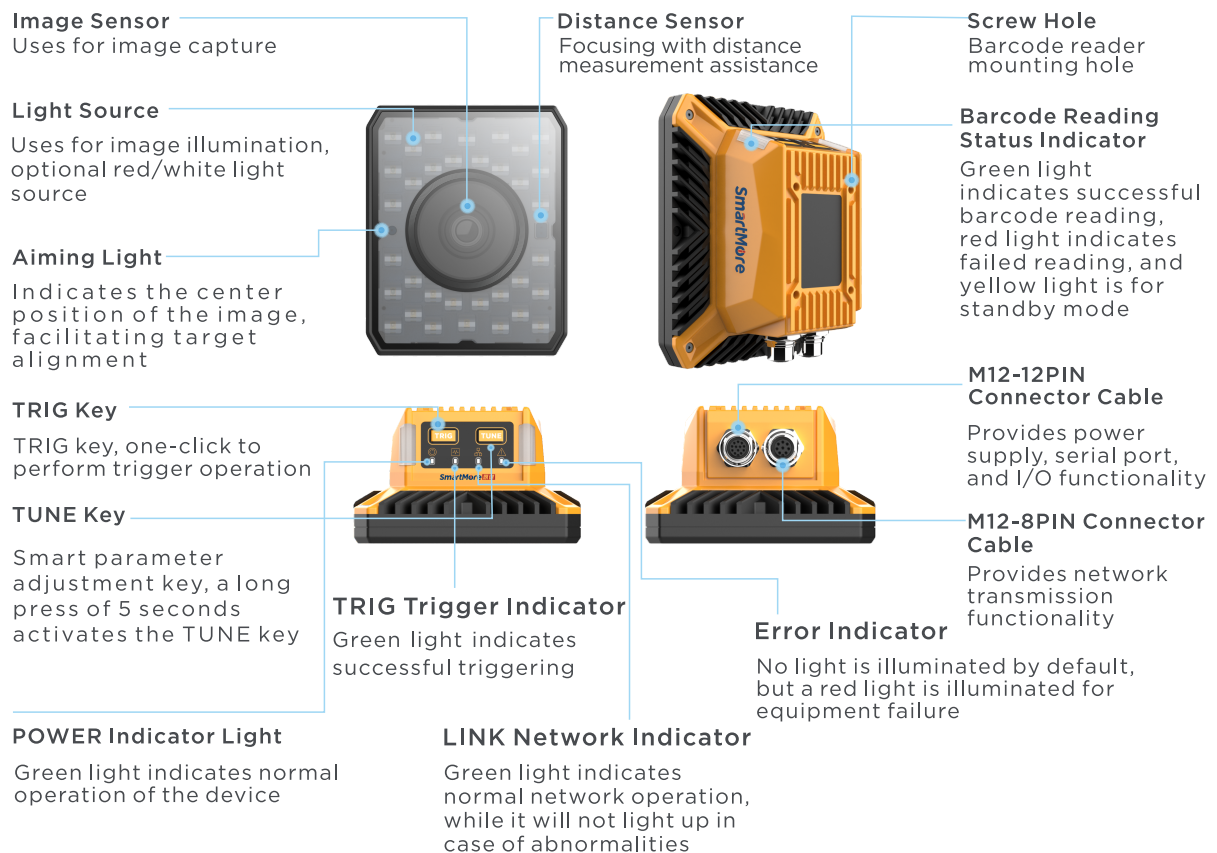
| Standard industrial smart code scanner |



Features

- Equipped with a 5-20MP large pixel, high-performance image sensor, which meets the requirements of large-field 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 large-view 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



Applications

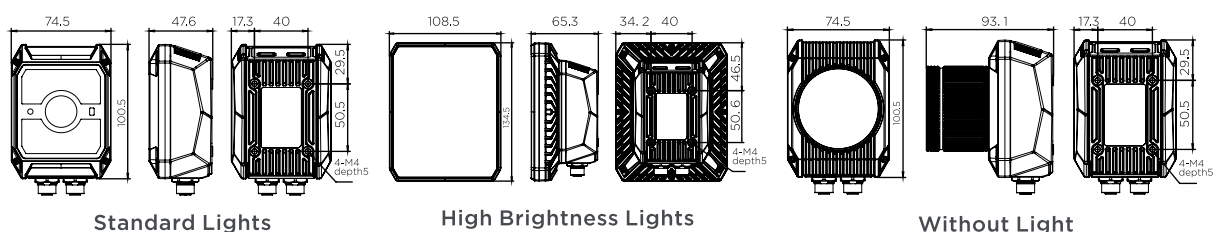


Technical Specifications

Model	VS2000 5MP Series	VS2000 20MP Series
Read Parameters		
Resolution (HxV)	2448x2048	5120x3840
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 x 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-polarization (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
			