Model：SH-500-2D(G)

2D Imaging Scanner

SH-500-2D(G)'s compact area-imaging scanner offers aggressive scanning of all 1D, PDF417，Data Matrix，QR etc 2D barcodes in a lightweight,durable and portable form factor. The scanner's sleek and elegant design also blends seamlessly in retail environments.

Powered by Adaptus@ Imaging Technology 6.0, the SH-500-2D(G) delivers superior bar code scanning and digital image capture.Aggressive reading of bar codes on highly reflective surfaces, suchas mobile phone screens, eliminates the need to purchase additional specialty hardware.

Designed with the customer in mind, the unobtrusive illumination contained within the SH-500-2D(G) reduces the annoying after-effects commonly associated with the illumination used in imaging-based scanners.

With its small size, ergonomically-friendly thumb-activated button and clearly visible indicator LEDs, the SH-500-2D(G) offers a dependable handheld or wearable scanning solution. The SH-500-2D(G) also offers universal mounting and   robust presentation mode scan performance, making the device an ideal fixed-mount scanning solution for use in light industrial applications and in kiosks.

Features

Intelligent Multi-Interface Design: Supports all popularinterfaces in one device, replacing the time consumingprocess of scanning programming bar codes with automatic interface detection

TotalFreedom 2.0: Second-generation plug-in development platform enables the loading and linking of multiple applications directly onto the scanner,eliminating the need for host system modifications while offering expanded decoding and data formatting functionality

The 2D image scanner qualityMobile Phone Reading: Easily scans bar codes directly from mobile device or computer screens, almost as if they were printed on paper Compatible Remote MasterMind remote device

Remote MasterMind™ Ready: Reduces total cost of ownership by providing a turnkey remote device management solution that easily manages and tracks usage of installed devices

SH-500-2D(G) Technical parameters

Physical parameters

Sight	RedLED , 617nm
Safety performance	Accord with national level two laser safety standards
Physical dimension	Length * width * height 88mm*60mm*28mm
Package size	Length * width * height 190mm*110mm*80mm
Material	ABS
Scanner weight	60g
Package weight	180g
LED indicator	Red, green two-colors

Performance parameter

Working voltage	4-5.5V DC
DC power supply	Class2;5.2VDC@1A
Working power	2W;400mA@5V-The typical value
Standby power	0.45W , 90mA@5V-The typical value
Barcode type	Standard 1D, 2D bar code(PDF417,Data Matrix,QR etc)
Scanning type	Image type
The light source	WhiteLED
System interface	KBW,USB,RS232

Enviromental parameter

Operating temperature	0℃ - 40℃
Storage temperature	- 40℃ - 60℃
Operating humidity	5%-95%Relative humidity, no condensation state
Electrostatic protection discharge	±15kVDC Air discharge , ±8kVDC Direct / indirect
Fall-down test	100order/1M
Ambient light immunity	0-100.000LUX
Exercise tolerance	100mm /sec 13milUPC
IP Class	IP40
LED Safety certification	IEC6247
CB	IEC60950
Integrated authentication	GOST-R(Russia),CE
EMI	accord en50081 , par1 specifications
EMC Electromagnetic compatibility	EN55022 , EN55024 class B
Dust	Seal to resist invasion of dust particles in the air

Classical performance

Bar code density	depth of field
5 mil Code39	33-95mm(1.3-3.7in.)
13 mil UPC	32-255mm(1.3-10.0in.)
20 mil Code39	35-355mm(1.4-14.0in.)
6.7 mil PDF417	30-95mm(1.2-3.7in.)
10 mil Data Matrix	30-100mm(1.2-3.9in.)
15 mil Data Matrix	21-162mm(0.8-6.4in.)
20 mil QR	23-200mm(0.9-7.9in.)

This data may be due to bar code quality and environmental factors and different

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