

ScanShell 1000

Specifications



Physical Dimensions

The external dimensions of the scanner are as follows:

- Height: 1.65inch/ 42mm
- Width: 6.10 inch/ 155mm
- Length: 8.64 inch/ 219.5mm
- Scanner weight: 575g

Basic Specifications

Item	Specification	Remarks
Product type	Flatbed Color Image Scanner	
Host interface	USB (Universal Serial Bus)	USB Spec. Revision 1.1
Image sensor	CMOS CIS (Contact Image Sensor)	668D51
Paper thickness	>0.1mm	
Resolution	Hardware optical 600dpi	Max.9600dpi (Software interpolated)
Color depth	Output: 8-bit per color	Internal 12-bit per color
Software	Driver DLL connector WHQL STI compliant protocol	Windows 95, Windows 98, Windows Me, Windows 2000, Windows XP
Scaling	1 to 9600 dpi in 1 dpi increments	
Warm up time	Zero wait	From Power-ON to ready
Speed Calibration time Scan Transmission	About 35 sec B/W: 1.7ms/line Gray: 1.7ms/line Color: 5ms /line 6 M bits/s max.	
Scanning Area	Max. 5" x 3"	All image quality parameters remain guaranteed within this area
Power	0.01W suspend status 0.2W stand by; 2.0W scanning	USB bus powered
Dimensions Width Height Length Weight	6.1 inch/ 155mm 1.65 inch/ 42mm 8.64 inch/ 219.5mm 575g	
EMC Regulations(TDB)	CCC	GB9453-2000
USB cable length	90 cm	

Environmental Specifications

Item	Specification
Operating Environment Temperature	+5°C to +40°C / 41°F to 104°F
Relative Humidity	20% to 85% RH (No condensation)
Storage Environment Temperature	-20°C to +60°C / -4°F to 140°F
Relative Humidity	10% to 90% RH
Shake	Gift Packing 5-100HZ Acceleration : 1g Duration:45min/ surface
Strike	Acceleration 50g (half sine wave) Duration 11 ms 6 shock, 6 surfaces
Fall off	Gift Packing Steel plate Height: surface-1m 3 line 1 corner-80cm

Safety and Regulation Specifications

Item	Specification	Remarks
EMC Regulations (TDB)	CCC	GB9453
Electric Noise Immunity Electrostatic discharge Burst test	No malfunctions at $\pm 4\text{KV}$ contact discharge No malfunctions at $\pm 4\text{KV}$ indirect discharge No malfunctions at $\pm 8\text{KV}$ air discharge No damage at $\pm 8\text{KV}$ contact discharge No damage at $\pm 8\text{KV}$ indirect discharge	Approval upon fully featured engine
Acoustic Noise Operating	$\leq 55\text{dB(A)}$ in worst condition	

Reliability Specifications

Item	Specification	Remarks
Lifetime(TDB)		
MTBF of parts (predicted) PCB Assembly CIS (min.) Motor Chassis	20000 hrs 10000 hrs 30000 hrs 200000 hrs	
MTBF Operation	50000 times	Mean Time Between Failures
MTTR	CIS Module, motor, sensor, cable could be replaced with in 1 hr.	Mean Time To Repair
Maintenance Preventive Curative Tools	Remove dust and pollution Board and sensor module replacement Screwdriver	By clean paper By service engineer