iMeasure

**Image scanner for image measurement**
PhotoDigitizer2

High-precision image scanner, with excellent orthogonal accuracy and magnification accuracy. Ideal for inspecting the dimensions and measuring the density of printed matter, transparent films, etc.

PhotoDigitizer2 features

● Outstanding orthogonal accuracy

PhotoDigitizer2 guarantees orthogonal accuracy of ±0.024 degree on delivery. This orthogonal accuracy is equivalent to a rotational misalignment of 5 pixels (106 μm) when a 10-inch (254 mm) wide film is scanned at 1200 ppi.

254mm / 106μm
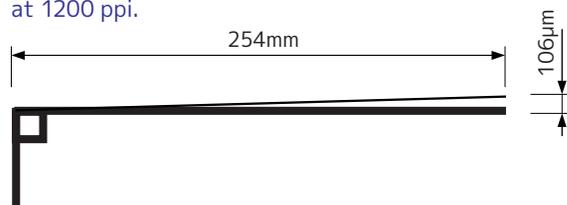
● Outstanding magnification accuracy

PhotoDigitizer2 guarantees a magnification accuracy of ±0.03% (Sub) and ±0.14% (main) on delivery (at an ambient temperature of 25±5℃.)

● 1.2 billion pixels in one scan

An A3 picture can be scanned at a resolution of 2400 ppi using the accompanying software called "iMeasureScan Pro."

● Chrome vapor deposition of markers on platen glass

Chrome vapor deposited markers with a positional accuracy of ±15 μm and an orthogonal accuracy of ±50 μrad can be applied to the platen glass. (optional)

Scanner models

Reflective mode	202501A1
Reflective / transparent mode	202501A2

Specifications

orthogonal accuracy	90 ±0.024 degree (±0.00042 radian)
Magnification	Sub: ±0.03%
	Main: ±0.14%
Ambient temperature during use	25±5℃
Light source	White LED
Sensor	CCD line sensors
Scan size	310 × 437 mm
	(Transparent: 309 × 420 mm)
Optical resolution	2400 ppi
Bit depth	RGB each 16 bit IN /16 bit OUT
Interface	Hi-Speed USB
Scanner dimensions	W656 × D458 × H158 mm
	(Transparent: H190 mm)
Weight	15 kg (Transparent: 20 kg)
Power consumption	30 W (Transparent: 45 W)
Power source	AC 100–240 V , 50/60 Hz
Software	iMeasureScan Pro

Application examples

- High-precision image measurement of printed matter
- High-precision photogrammetric measurement of historical glass dry plates
- Stitching of oversized manuscripts
- Digitization of drawings and maps
- Measuring the density of printed matter and transparent films