

Near-infrared image scanning made easy and precise. A powerful tool for various types of analysis and inspections.



IR-7000 features

- High quality near-infrared 2D images can be easily obtained by simply selecting one button.
- Highly reproducible, stable, high-quality scanning results at 16 μm (1600 ppi) in 65536 shades for each RGB channel.
- With the "iMeasure Scan" driver software, IR-7000 can also be used as an A3 micro-densitometer with 65536 shades of density resolution.

Scanner models

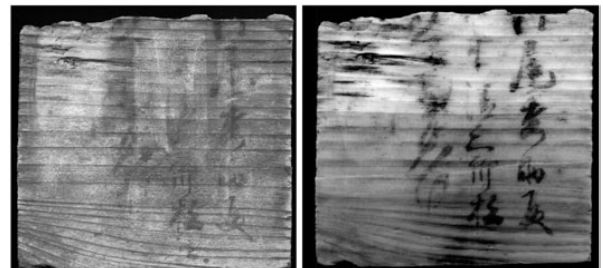
Reflective mode	202605A1
Reflective/transparent mode	202605A2

Specifications

Light source	Infrared LED array ($\lambda_{\text{peak}} = 850 \text{ nm}$)
Sensor	CCD line sensors
Scan size	A3+ 304 × 429 mm (Transparent: 297 × 403 mm)
Optical resolution	1600 ppi
Bit depth	RGB each 16 bit IN / 16 bit OUT
Interface	USB Type-C (USB3.2 Gen 1)
Scanner dimensions	W385 × D690 × H150 mm (Transparent: H195 mm)
Weight	11 kg (Transparent: 15 kg)
Power source	AC 100-240 V , 50/60 Hz (AC adapter)
Software	iMeasureScan Pro

Application examples

- Inspection and quality control of certificated securities or other valuable documents printed using infrared ink.
- Determining letters on wooden tablets in archaeological research.
- Identification of illegible trademark seals on Ise-Katagami dyeing stencils.
- Visualization of palm vein patterns.
- Deciphering letters on ancient memorial tablets at Shinto shrines and Buddhist temples and on Buddhist altars.
- Restoration of images on old and soiled photographic prints and glass plates.



Visualization of letters on wooden tablets, which were unclear to the naked eye.
Courtesy of Mr. Yoshihiko Yoshikawa,
Kansai Cultural Properties Research Committee