

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



IR-6500 features

- High quality near-infrared 2D images can be easily obtained by simply selecting one button.
- Highly reproducible, stable, high-quality scanning results at 11 μm (2400 ppi) in 65536 shades for each RGB channel.
- With the "iMeasure Scan" driver software, IR-6500 can also be used as an A3 micro-densitometer with 65536 shades of density resolution.

Scanner models

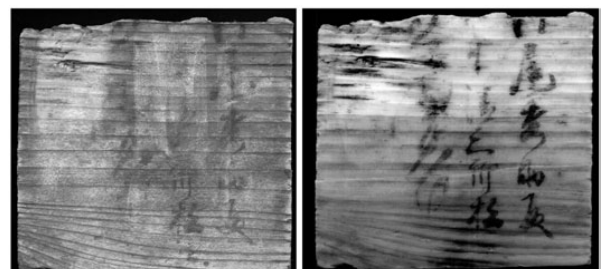
Reflective mode	201803A1
Reflective/transparent mode	201803A2

Specifications

Light source	Infrared LED array ($\lambda_{\text{peak}} = 850 \text{ nm}$)
Sensor	CCD line sensors
Scan size	A3+ 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	45 W (Transparent: 55 W)
Power source	AC 100–240 V, 50/60 Hz

Application examples

- Inspection and quality control of certificated securities or other valuable documents printed using infrared ink.
- Deciphering inscriptions 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