iMeasure

**Fast,
high resolution,
A3-size.
For better printing
quality control with
fluorescent ink.**

(stealth ink, invisible ink)

FLSCAN-4 Features

○ High-luminance UV-LED array significantly improves the scanning speed compared to our preceding models (FLSCAN-2/3). Fully updated internal image processing algorithm reduces the image noise to the next level.

Application examples of fluorescence image:
1) Quality control for certificated securities or other valuable documents printed with fluorescent ink (stealth ink, invisible ink).
2) Scanning fluorescent ink barcodes on postal mail.
3) Recognizing erased/revised letters on parchment (Palimpsest) for archeological research purposes.
4) Restoring faded letters written with highlighter pens.

○ Shading compensation helps quality control of fluorescent ink print density

With built-in dedicated fluorescence reference panel, FLSCAN-4 automatically calibrates at each scan. This provides stable, reproducible scanning results, free from fluctuation, unevenness or deterioration of the UV-light source intensity.

○ High resolution 11μm (2400ppi) in 65536 shades per color with wide dynamic range.

○ Capturing weak fluorescent light

Digital sensitivity boost is available through the original application software "iMeasureScan" (optional). Multi-pass scanning technology improves the signal-noise ratio in the scanned image, and captures the details not recognizable in the noise of single-pass scanning. Maximum number of scan passes upto 256. Output value is in proportion to the fluorescent light intensity captured by the sensor.

FLSCAN-4 Specifications

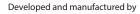|	
Light source	UV-LED Array (λ_peak = 375nm) with built-in UV transmitting filter
Sensor	CCD line sensors with a UV absorbing filter
Scanning size	310 x 424 mm
Resolution	2400 ppi
Bit depth	Each color 16bit IN / 16bit OUT (48bit color image)
Dimensions	W656 x D458 x H158 mm
Weight	15 kg
Power consumption	46 W
Power	AC 100–240 V, 50/60 Hz

Application examples of UV Fluorescence Image Scanner

Invisible postal mail barcode printed with fluorescent ink
Visible light image (top) / Fluorescent light image (bottom)