

We build innovative solutions for life science

Western blot:

Chemiluminescence imaging and quantitative analysis

Southern blot&Northern blot:

Chemiluminescence imaging and quantitative analysis

Dot blot:

Chemiluminescence imaging and quantitative analysis

Isotope imaging:

Direct Imaging, No need phosphor screen

Capture mode	Auto/Manual
Full well capacity	1,250,000.00 electrons
Data transferring speed	1000Mbps
Light Sources Control	Chemoluminescence, Epi-white
Start up waiting	No
Exposure time	> 95% Samples are imaged within 1sec
Photo sensor chip	158cm ²
User account management	Multi-user management
Net weight	4.35 KG
Dimension (L x W x H)	27cm×20.6cm×5.4cm
Power supply	100–250 V
Operating temperature	4–30°C
Operating humidity	10–85% relative humidity (noncondensing)

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TOUCH IMAGER

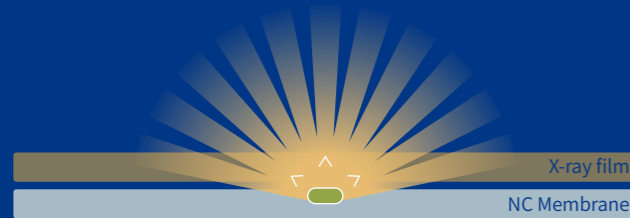
The first electronic film imaging system for Western Blot

- ✓ Two orders of magnitude higher than cooled CCD on sensitivity
- ✓ Two orders of magnitude higher than cooled CCD on quantitative range
 - ✓ 95% experiments done within seconds
 - ✓ Small, smart and simple
 - ✓ Suitable for isotope imaging



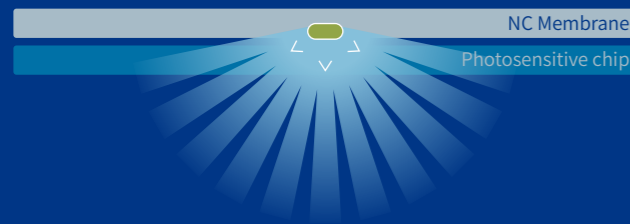
Insures the highest efficiency in signal capture by direct-contact imaging for Western Blot

Two orders of magnitude than cooled CCD on sensitivity



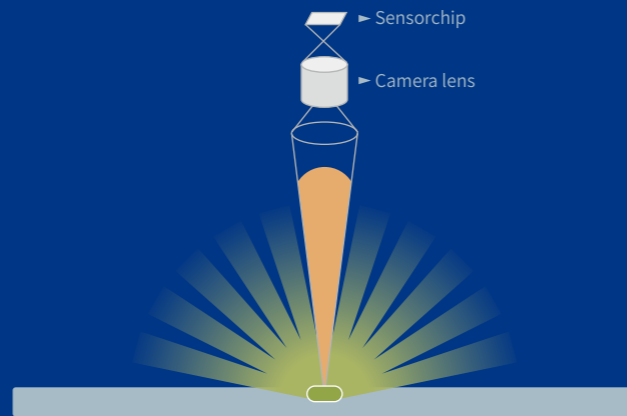
X-ray film imaging

Has least signal loss and relative high sensitivity, but is cumbersome in process, environment unfriendly, weak in signal collection, time-consuming and narrow quantitative range, easy to be overexposed. but is cumbersome in signal collection and digital transforming. The quantitative range is narrow. Strong signal is easy to be exposed.



TOUCH IMAGER imaging

TOUCH IMAGER integrates the techniques of X-ray film and cooled CCD imaging. Compared to the other two methods, the performance is improved to orders of magnitude.



Cooled CCD camera imaging

Cooled CCD camera when imaging, thus has low sensitivity losses more than 99% of light signals with low sensitivity. Has a narrow quantitative range and easy to be overexposed to strong signals.

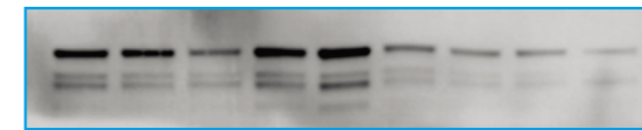
TOUCH IMAGER collects light signal by contacting with photosensitive chip, has minimal signal loss, super sensitivity, quick and clean operation, super wide quantitative range. TOUCH IMAGER integrates the technique of X-ray film and Cooled CCD imaging, and inherits the advantages of them. In comparison to the two methods, its performance is improved to orders of magnitude. Direct-contact type of signal collecting minimizes signal loss and endows TOUCH IMAGER super sensitivity. Special chip confer it a super wide quantitative range.

95% experiments done within second

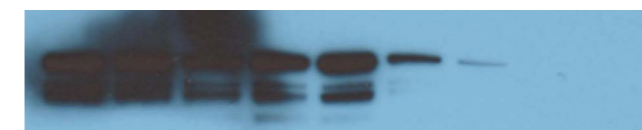
The transmittance of TOUCH IMAGER is 400 times higher than that of cooled CCD camera. The higher in transmittance, the more sensitive in signal collection, and the less time would be used in collection.

TOUCH IMAGER VS. X-ray film

Protein sample testing

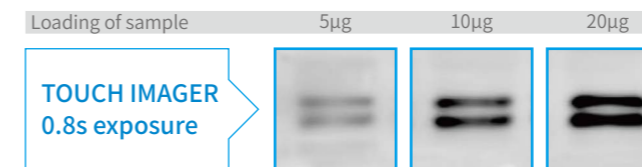


TOUCH IMAGER 1 second exposure



Optical film 60 seconds exposure

p-ERK protein



TOUCH IMAGER 0.8s exposure

TOUCH IMAGER VS. cooled CCD

α-Tubulin testing



TOUCH IMAGER 1 second exposure



CCD camera 60 seconds exposure



800nmNIR 10min exposure

The quantitative range is 100 times wider than cooled CCD

Due to the extreme sensitivity and super electronic capacity, Touch Imager can capture the strongest and the weakest signals simultaneously.

