G-BLOT



TOUCH IMAGER The first electronic film imaging system for Western Blot

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

G-BLOT

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reddot design award

TOUCH IMAGER
Won the 2018 Red Dot Design Award



2020 China Medical Device Innovation&Entrepreneurship Competition The Second Prize in Finals

2020 MAKER

2020 Maker in China Shanghai Finals
Third Prize in Finals (First winner in Biology Individual Award)

The most sensitive imaging system for Western blot





99% experiments done within seconds

Small, smart and simple

Suitable for isotope imaging







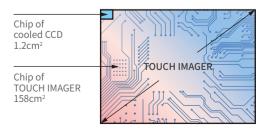


NASA-level super large Imaging chip



Comparison of chips

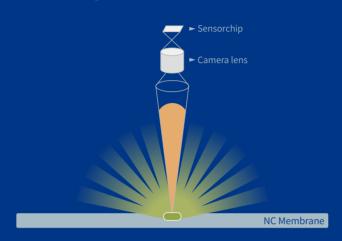
Cooled CCD	TOUCH IMAGER
1.2cm ²	158cm²



Two orders of magnitude higher than cooled CCD on sensitivity



least signal loss, relatively high sensitivity, but cumbersome in process, environment unfriendly, weak in signal collection, timeconsuming and narrow quantitative range, prone to be overexposed.



Leaving out more than 99% of light signals during imaging, yielding low sensitivity; with a narrow quantitative range and prone to be overex-posed to strong signals.



integrating the formats of X-ray film and cooled CCD imaging and improving the performances by orders of magnitude.

99% experiments done within seconds

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 to be used in collection.

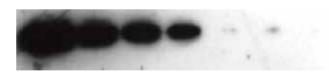
Together with the contact imaging, hight transmittance gives TOUCH IMAGER with the minimal signal loss, extreme sensitivity, and higher imaging quality.

TOUCH IMAGER VS. X-ray film

α-Tubulin



TOUCH IMAGER 1 second exposure



Optical film 30 seconds exposure

α-Tubulin



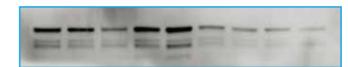
TOUCH IMAGER VS. cooled CCD

TOUCH IMAGER 1 second exposure

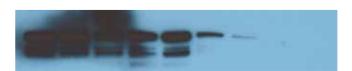


CCD camera 60 seconds exposure

Certain protein 1 test



TOUCH IMAGER 1 second exposure

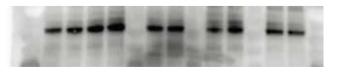


Optical film 60 seconds exposure

Certain protein 2 test



TOUCH IMAGER 1 second exposure



CCD camera 60 seconds exposure

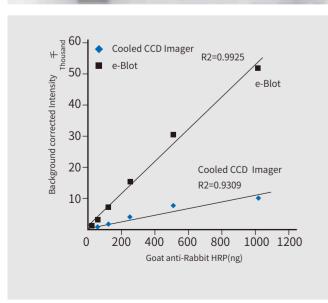


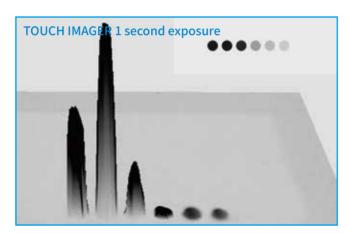
The quantitative range is 100 times wider than that of cooled CCD imager

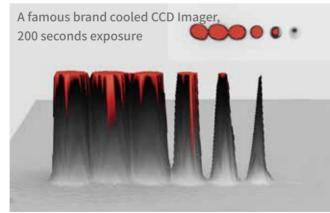
Due to the extreme sensitivity and super electronic capacity, Touch Imager can capture the strongest and the weakest signals simultaneously. In the comparison with a cooled CCD imager of a world-known brand, working on the same sample, Touch Imager worked out imaging in seconds, while the cooled CCD imager did in minutes. The weakest bands were well developed and meanwhile the strongest bands were not over exposed on Touch imager However, the coold CCD camera failed to achieve the comparable results.











TOUCH IMAGER enables accurate quantification over a wider range of signal strength.

Touch Viewer, a powerful tool



Separate accounts for user:

To ensure data security, Touch viewer allows users to set up accounts seperately, no interfering between accounts and convenient in data tracking.

Custom DPI export:

exporting customly 245dpi, 300dp600dpi, 1200dpi image for publication

One-click imaging:

No need to optimize the imaging. One-click to get ideal result.

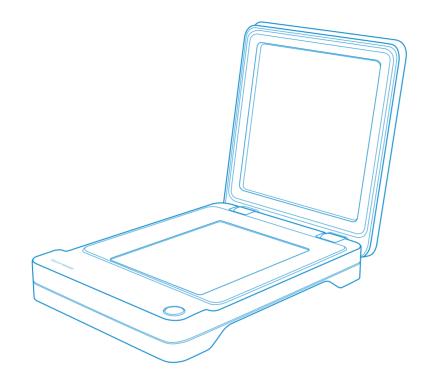
Automatically saving results.

Multiple results analysis:

Allow up to 40 analyzing simultaneously, results can be exported in three formats.

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Specifications



Capture mode	Auto/Manual
Full well capacity	1,250,000.00 electrons
Data transferring speed	1000Mbps
Light Sources Control	Chemiluminescence、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)

Customer list:

Peking University

Roche R&D Center (China) Ltd.

Chinese Institute for Brain Research, Beijing(CIBR)

Shanghai Institute of Materia Medica, Chinese Academy

of Sciences

National Center for Protein Science

Shandong Provincal Hospital

Bee Research Institute, Chinese Academy of

Agricultural Sciences

Institute of Biotechnology, Chinese Academy of

Agricultural Sciences

Shanghai Jiaotong University

Shandong University

Zhengzhou University

National Chi nan university

ShanghaiTech University

NATL CENT UNIV

Jimei University

Ruijin hospital

University of Science and Technology of China Taipei

Medical University Hospital

Taiwan Shuanghe Hospital

Kaohsiung Chang Gung Hospital

Taipei Veterans General Hospital

Inner Mongolia Medical University

Fujian Medical University

Kaohsiung Medical University

Taipei Medical University

Fujian Academy of Agricultural Sciences

Yunnan Agricultural University

Shanghai Shengtang Business Incubator Hualing

Pharmaceutical (Shanghai) Co., LTD Shanghai

Shanghai Shengran Biotechnology Co., LTD Tianjin

Ruerkang Medical Technology Co. LTD

Customer list:











































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