

RWD | 瑞沃德

# Western Blot Imager

*Sensitive*

*Expeditious*

*Robust*

*Intuitive*



\*The image is of an engineering prototype; the actual appearance is subject to the final product.

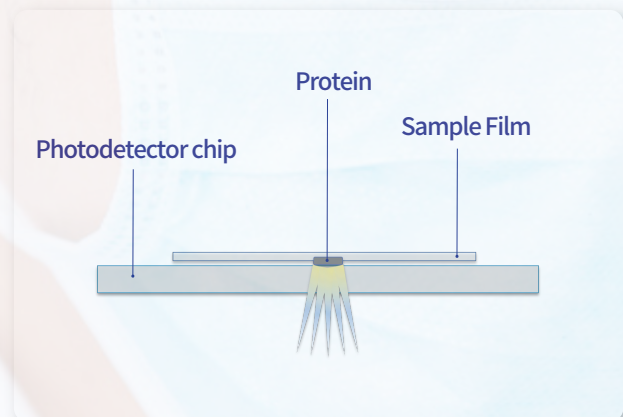
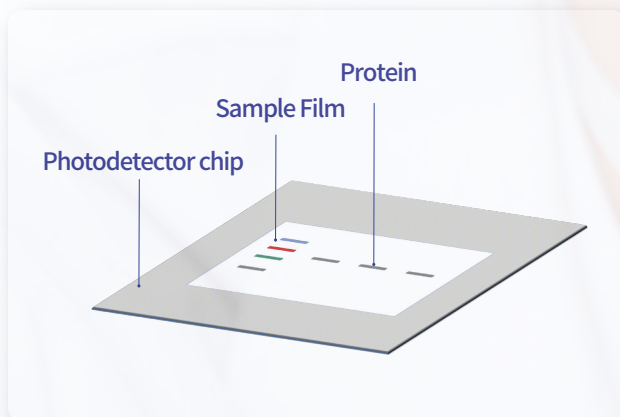
## Application Scenario

Western blot imaging and analysis of experimental samples

## Product Characteristics

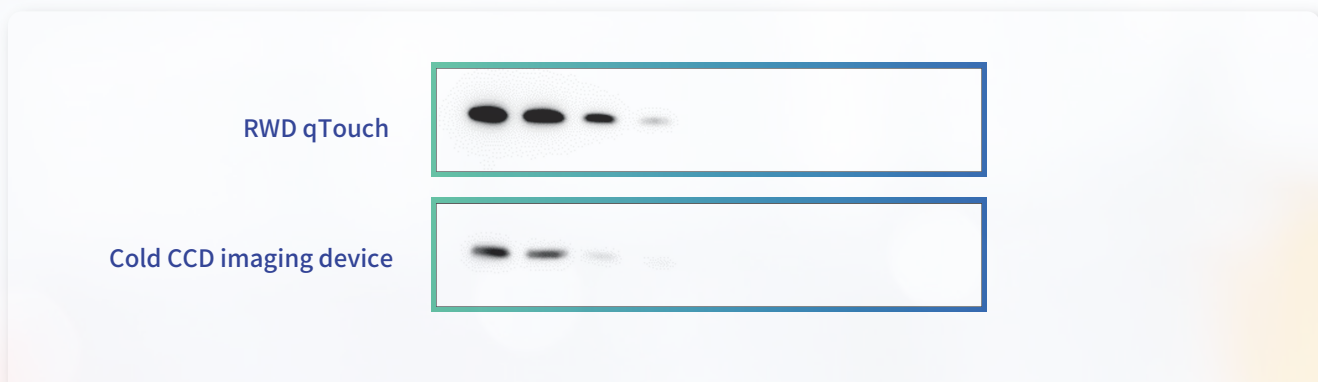
### High Sensitivity

- Ⓜ Imaging with direct contact between the photodetector chip and the sample membrane.
- Ⓜ Reduces light signal loss by more than 99%, capturing extremely weak signals.
- Ⓜ Improves sensitivity and quantitative range by two orders of magnitude.
- Ⓜ Three sensitivity levels for adjustment to fit a wider range of samples.



### Rapid Imaging

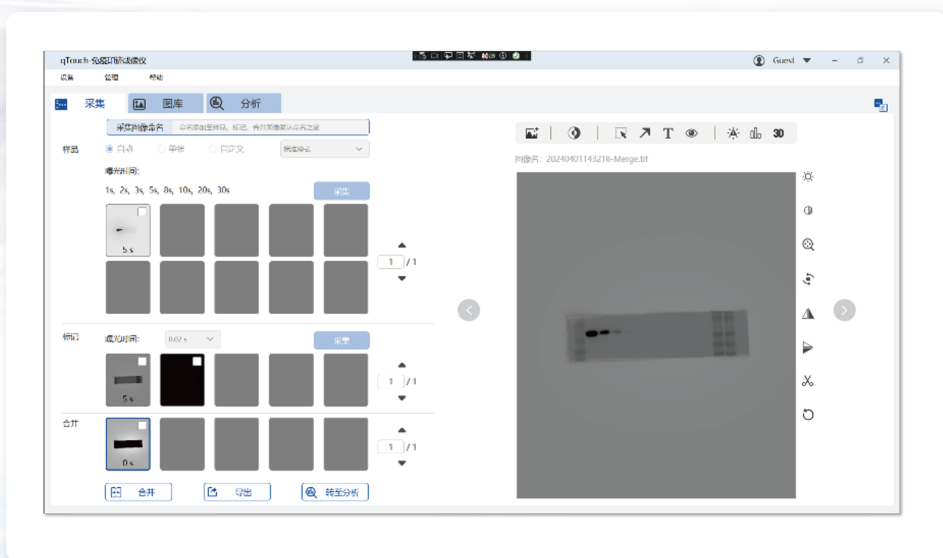
- Ⓜ Versatile exposure modes, with a transmission speed greater than 1000Mbps for rapid image output.
- Ⓜ Most samples can achieve high-quality imaging within 1 second.
- Ⓜ Significantly reduces the time required for collecting low-abundance samples.
- Ⓜ Custom image algorithms ensure high-quality images.





## Intelligent Operation

- ④ The operation software is easy to use, feature-rich, and stable.
- ④ The device has a cover closure darkroom detection feature to ensure image quality.
- ④ It has built-in image processing and analysis capabilities, allowing for one-click band recognition.
- ④ A multi-level account system manages the data, with separate data storage for each account.



## Technical Specifications

Parameters	Description
Imaging Area Size	150cm <sup>2</sup>
Device Power	Powered by a DC12V adapter
Device Interface	USB3.0
Transfer Speed	Greater than 1000 Mbps
Sensitivity	At the pg level
Dimensions (W*H*D)	291*226*53 mm
Weight	<3.8kg
Host Compatibility	Windows10,64bit

Software Configuration	Description
Expose Mode	Automatic/Manual
Sensitivity Adjustment	Low Sensitivity/Standard/Ultra-High Definition in three levels
Imaging Algorithm	Self-developed image correction algorithm
Image Processing	Image cropping, rotation, inversion, contrast adjustment, etc.
Data Processing	High-precision intelligent band grayscale analysis
Image Output	Export in multiple resolutions: 300dpi, 600dpi, 1200dpi
Data Management	Multi-level account system automatically generates an image database
Other Features	3D image viewing, overexposure warning, etc.

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