

DATASHEET · GEL & PROTEIN ANALYSIS

# RFLSI Pro Laser Speckle Perfusion Imager.

SKU RWD-RFLSIII-00 Spec v1 Rev. 2026-07-09

DATASHEET · P  
**RWD-RFLSI**  
 Rev 2026



PRODUCT FAMILY  
 ANIMAL MODEL  
 APPLICATION  
 COUNTRY OF ORIGIN  
 MFG. STANDARD  
 LOT TRACEABLE **No**  
 VERIFIED **Spec v1 · 2026-07-09**

PRODUCT SPECIFICATIONS

FROM PUBLISHED PROD

|                       |                                      |                         |   |
|-----------------------|--------------------------------------|-------------------------|---|
| LASER_TYPE            | laser diode                          | WAVELENGTH              | 785nm   |
| CAMERA_TYPE           | Low noise 12bit fast camera          | MONITORING_DISTANCE     | 110mm   |
| EFFECTIVE_PIXELS      | 1800000 pixels /cm2                  | MONITORING_PIXELS       | 656*494 pixels  |
| IMAGE_MONITORING_AREA | 14.4 × 10.9 mm ~ 2.15 × 1.62mm       | IMAGING_SPEED           | not less than 60 fps in full amplitude state  |
| OPTICAL_MAGNIFICATION | conventional 0.67-4.5 times, 0.071NA | OPTIONAL_OBJECTIVE_LENS | 0.5 times, 2 times auxiliary objective lens   |
| TIME_RESOLUTION       | milliseconds                         | RECORDING_MODES         | Continuous recording and interval recording modes   |
| EXPORT_FORMAT         | AVI format video files               | AUTOMATION_LEVEL        | semi-automated  |
| BRAND                 | RWD                                  | POWER/VOLTAGE           | 90mW  |
| ACCURACY              | microns                              | RESEARCH_DOMAIN         | Aging Research, Cancer Research, Cardiovascular, Metabolic Research, Neuroscience, Pharmacology |
| SPECIES               | Mouse, Rat                           | DIMENSIONS L×W×H (MM)   | 34.0 × 39.0 × 33.0  |
| WEIGHT (KG)           | 8.27                                 | AVAILABILITY            | In stock  |

BILL OF MATERIALS · 1 LINE ITEMS

BASE CONF

| QTY | ITEM                                     | SKU            |
|-----|--|----------------|
| 1   | RFLSI Pro Laser Speckle Perfusion Imager | RWD-RFLSIII-00 |

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**Scope.**

INFO@CONDUCTSCIENCE.COM

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RWD-RFLSIII-00 · DATASH

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## BILL OF MATERIALS · EXTENDED ATTRIBUTES

| ITEM                                     |
|--|
| RFLSI Pro Laser Speckle Perfusion Imager |

## MATERIALS REFERENCE

0 MATERIAL

| CODE | DESCRIPTION | PROPERTIES | USED IN |
|------|-------------|------------|---------|
|------|-------------|------------|---------|

Cross-reference.



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## OPERATING & STERILIZATION ENVELOPES

CONDITIONS, CYCLES, COM

### OPERATING

TEMPERATURE

HUMIDITY

PRESSURE

### STORAGE

TEMPERATURE

HUMIDITY

ORIENTATION

### STERILIZATION & CLEANING

AUTOCLAVE

GAMMA

AVOID

ETO

WIPE

## ANIMAL COMPATIBILITY

BY SPECIES

## NOTES

USE & S

| SPECIES | BODY WEIGHT | CHAMBER FIT |
|---------|-------------|-------------|
|---------|-------------|-------------|

Specifications verified against current published product data. Verified 2026-07-09 · Since 2026-07-09.

**Cite:** ConductScience RWD-RFLSIII-00, Spec v1, 2026-07-09. [conductscience.com/lab/laser-speckle-perfusion-imager](https://conductscience.com/lab/laser-speckle-perfusion-imager)

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