

# EzScope 101

Live Cell Imaging System



 **BLUE-RAY**  
BIOTECH

LIVE CELL  
LIVE SHOW |

# LIVE CELL, LIVE SHOW EZSCOPE 101 IS A DEDICATED LIVE CELL IMAGING SYSTEM

that helps to streamline your research workflow with improved efficiency and productivity, no more hassles to remove cells from incubator for observation. EzScope 101 brings 24/7 measurements under precisely controlled conditions in a non-perturbing environment. You can observe the images anytime, with walk-away convenience. Up to four samples can be monitoring simultaneously in a same incubator. This feature helps reduce repetitive action, saves time, and optimizes experiment efficiency.

## Incubator Live View

Designed to be used inside the incubator, without the need to remove your cells from incubator to enhance culture quality control.

## Minimizes Experimental Variations

Up to four units of EzScope can be setup in the same incubator and controlled by one computer. This enables the monitoring of samples simultaneously, reduces errors caused by environment variations.



\*Actual image monitoring abilities depend on the user's computer equipment. For more detailed information, please refer to Technical Specifications.

## Exceptional Image Quality

Adopts high contract brightfield optical configuration, coupled with precise motorized focusing, and two interchangeable magnifying objective lenses.

## Remote Monitoring of Experiment

Allows flexible remote monitoring the assay via Windows-based remote desktop software.

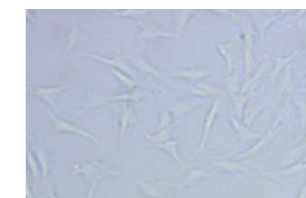
## Easy Image Editor

Captures and edits images easily with EzCapture software:

- Live preview for up to 4 units of EzScope
- Capture single image or time-lapse series
- Flatfielding correction for even brightfield background
- Time-lapse video output
- Spatial calibration
- Measure and convergence analysis

## Applications

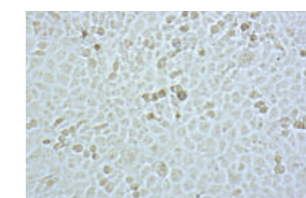
Widely used in a variety of cell-related assays. See more applications at [www.blue-raybio.com](http://www.blue-raybio.com)



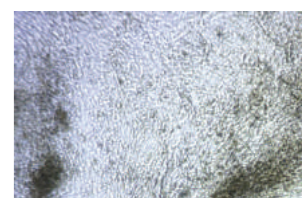
Synovial Mesenchymal Stem Cell



MDA-MB-231



Cancer Cell Line



Cardiac Muscle Cell

# Specifications

Optics	Brightfield (transmitted) with white LED
Objective Lens	10x, 20x (optional)
Camera	1.3 MP CMOS Sensor
Image Resolution	1280 x 1024 pixels
Export Formats	Tiff(image), AVI(video)
Software	EzCapture with snapshot, time-lapse and confluence, etc
Field of View	2.6 x 2.0 mm (10x objective)
Resolution	2 µm/pixel (10x objective) 1 µm/pixel (20x objective)
Live View Frame Rate	Up to 8 frames/second
Focusing	Motorized

## Stage

Manual XY Stage (optional)	SBS footprint 35mm Culture Dish and Slide 60mm Culture Dish and Slide
Labware Holders (optional)	T-25 Culture Flask T-75 Culture Flask

## General

Computer Requirements	i3 CPU with 4 GB RAM, Windows 10 OS i5 CPU with 8 GB RAM, Windows 10 OS for multiple units connection
Connectivity	USB 2.0/3.0, up to 4 units
Power Adaptor	Input: AC 100-240V, 50/60Hz; Output: DC 5V, 2A
Dimensions (W x D x H)	225 x 131 x 205 mm
Weight	2.0 kg
Operating Conditions	0°C - 42°C , 5% - 95% RH non-condensing
Certifications	CE, RoHS

Specifications are subject to change without prior notice.

# Ordering Information

BRLC-0101	EzScope 101 Brightfield Live Cell Imaging System with 10x lens
275-LCBR02-00	20x lens
275-LCBR03-00	Mechanical XY stage with 4 adaptors
275-LCBR04-00	35 mm culture dish and slide adaptor for XY stage
275-LCBR05-00	60 mm culture dish and slide adaptor for XY stage
275-LCBR06-00	T-25 culture flask adaptor for XY stage
275-LCBR07-00	T-75 culture flask adaptor for XY stage
ECEW-LC01	1-year extended warranty

Authorized Distributor

