

ENDURO™ GDS GEL DOCUMENTATION SYSTEM



The ENDURO™ GDS Gel Documentation System is a state-of-the-art imaging system providing an incredible combination of performance, value and ease of use. It is a perfect fit with the rapidly expanding ENDURO™ Electrophoresis and Labnet Molecular Biology product line.

The ENDURO GDS provides exceptional resolution with a 5MP scientific camera, a built in UV transilluminator with a safety shut off switch, and viewing port are unique in this price range. The large field of view (20 cm x 24 cm) allows for large gel imaging, or the imaging of many gels at once. The system was designed to always be in focus, which means no manual manipulation of the lens is required, ever.

Application flexibility is achieved through the UV transilluminators, the optional white light conversion screen, and optional blue conversion screen. The standard filter on the ENDURO GDS is compatible

with Ethidium bromide, SYBR® Safe, gel red and SYBR Green to name a few. The optional Clear Gel Tray provides a great tool to make gel handling easier. The tapered end allows safe transfer of gel reducing risk of damaging gel in transport. The GDS is ready to use right out of the box. Just connect a PC and run.

The ENDURO GDS was designed to save images as either jpg. files for publications or tiff. files for quantitative analysis. Labnet offers Total Lab 1D software in either single, multiple user or network licenses. Total Lab 1D provides for the rapid analysis of images and can get you results in a single click of the mouse. The user has the ability to review each stage of the workflow analysis and intervene or edit if required. Combining high levels of automation with final user review allows rapid and accurate quantitative analysis. The user then has full control of the visualization tools and data display - outputting only those data fields that are of importance as well as the images of choice. Reports can easily be generated including quantitative data, gel image and band profile. This is a full featured analytical software package that is the result of decades of software refinement.

ORDERING INFORMATION

Catalog No.	Description
GDS-1302	ENDURO GDS Imaging System, 302 nm - Universal Voltage
GDS-1365	ENDURO GDS Imaging System, 365 nm - Universal Voltage

SPECIFICATIONS

Camera	5 Megapixels (2592 x 1944), scientific grade sensor
Lens	8 mm, f1.4 hands-free lens with Smart Capture technology
Cabinet	<ul style="list-style-type: none"> Built in UV transilluminator (302 nm or 365 nm) with: UV viewing port Software controls of UV light with automatic shut-off switch UV safety override switch in door Maximum field of view 20 x 24 cm
Software	Application-driven imaging offers streamlined workflow Optional: TotalLab 1D for quantitative analysis*
Dimensions	34.6 x 31.1 x 68.6 cm (13.6' x 12.2' x 27')
Weight	21.4 kg (48 lbs)

* Recommended that Microsoft Excel is loaded on the PC to use optional TotalLab 1D software



GDS Viewing Window

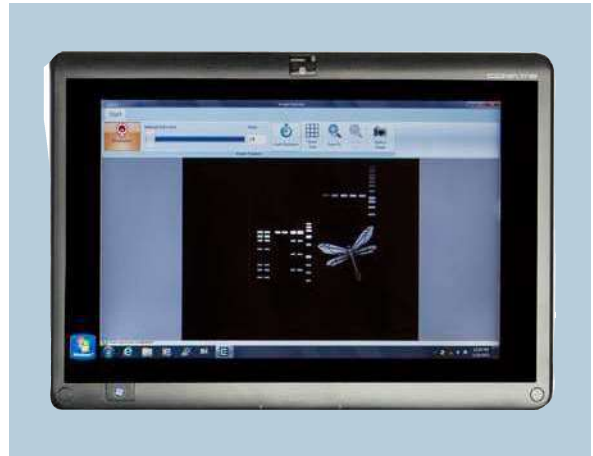
PC SPECIFICATIONS

Operating system	Windows XP (with Microsoft .NET Framework 3.5) Windows Vista 32 or 64 bit Windows 7 32 or 64 bit
Minimum hardware requirements	1.4 GHz processor speed 2GB RAM 16 GB Free Hard Disk Space 2 USB (camera and printer)

ENDURO™ GDS TOUCH GEL DOCUMENTATION SYSTEM



The ENDURO GDS Touch is an integrated system for DNA analysis and gel documentation. It is based on the GDS but incorporates an integrated tablet PC with a three position filter wheel with both EPI-Blue and EPI-White light sources standard. The market has shown a growing demand for being able to image DNA at higher wavelengths so as to prevent DNA nicking for downstream applications. The powerful EPI-Blue light can discriminate bands stained with SYBR SAFE up to 3 levels of magnitude greater than imagers using blue light conversion screens. Just like the ENDURO GDS, there is no need to touch the camera. Installation and operation is simple and acquisition of image can be achieved in 4 touches of the tablet. The Enduro GDS Touch is ideal for life science research labs who need a flexible system with a small footprint.



SPECIFICATIONS

Camera Resolution	5MP
Lens	Manual F 1.4 Lens (No Focus Required)
Field of View	20cm x 24cm
Standard Illumination	Epi blue and white light, 302 or 365nm UV transillumination
Pull out UV	For visualizing and cutting bands
System Controls	Integrated Touchscreen computer
Filter	Three position (EtBr included)

Image Capture Software

Annotation and email features	Yes
5 minute auto shut-off of UV	Yes
UV on/off in software	Yes
White light on/off in software	Yes
Blue light on/off in software	Yes
Desktop compatible	No
Touchscreen/tablet compatible	Yes
Communications	USB . Tablet has wireless and bluetooth options
Footprint	14" by 12.5" x 25"

ORDERING INFORMATION

Catalog No.	Description
GDST-1302	ENDURO GDS Touch Imaging System, 302 nm - Universal Voltage
GDST-1365	ENDURO GDS Touch Imaging System, 365 nm - Universal Voltage



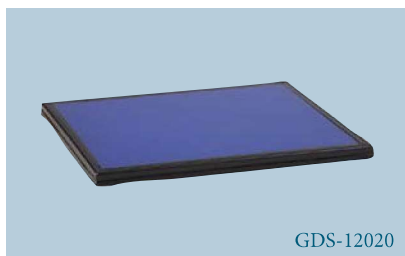
ENDURO™ GEL DOCUMENTATION SYSTEM ACCESSORIES



GDS-12018 Clear Gel Tray
-Use for gel transfer and cutting



GDS-12019 White Light Conversion Tray
-Use for Coomassie and Silver stain



GDS-12020 Blue Light Conversion Screen (for GDS only)
-Use for Gel Green, SYBR® safe stain, and stains that excite at 490 nm



GDS-12021 Thermal Printer
GDS-12022 Thermal Paper



OPTIONAL FILTERS (For GDS Touch only)

GDST-676R	Red filter (676 nm)
GDST-572G	Green Filter (572 nm)
GDST-497B	Blue Filter (497 nm)

STAIN GUIDE

Fluor/Stain	Description	Part Number
Ethidium Bromide	302nm UV	Standard
Gel Red	302nm UV	Standard
SYBR Green	302nm and 488nm	Standard
Gel Green	Blue Light Conversion Screen	GDS-12020
SYBR Safe	Blue Light Conversion Screen	GDS-12020
Coomassie Stain	White Light Conversion Screen	GDS-12019
Silver Stain	White Light Conversion Screen	GDS-12019