

DAIHAN-brand® UV Transilluminators, "WUV", Standard- & Compact Case-type, 48W/90W

with Hinged UV-Blocking Safety Cover, Economical, Robust, Versatile, 312-/365-/312+365-nm, with Certi. & Traceability

**Transilluminator, Standard Case-type "WUV-L50"****Transilluminator, Compact Case-type "WUV-M20"**

- with Certificate & Traceability :
Controlled by Serial Number, Certificate, Delivery-information,
and Traceable Data Base System
- Low Cost, Robust, Versatile, Affordable & Gentle Excitation
- Hinged UV-Blocking Safety Cover Protects User from UV Radiation
- Stainless steel Frame and Robust Steel Housing
- Increased UV Intensity and Homogeneity
- CE Certified ■ **PL (Product Liability) Insurance**

- * Ideal for Standard Gel Documentation and Preparative Work, especially for Detection of very small amount of DNA & RNA Stained by EtBr
- * Long-Life Electronic (Low Heat, no Flickering)
- * High (100%) / Low (75%) Intensity Switch

Specification

Wave Length & Model	Single 365 nm “WUV-L10”	Single 312 nm “WUV-L20”	Dual 365+312 nm “WUV-L50”	Single 365 nm “WUV-M10”	Single 312 nm “WUV-M20”
Features	Standard Case-type			Compact Case-type	
UV Lamps	15W×6ea (90W)			8W×6ea (48W)	
Power Consumption	95 W			52 W	
Filter Size (mm)	200×200 mm				
Dimension	495×330×h95 mm			350×275×h95 mm	
Weight	10 kg			8 kg	
Packing Size (mm) & Gross Weight (kg)	520×380×h220 mm, 12 kg			380×320×h220 mm, 10 kg	
Power Supply*	1 Phase, AC 120V, 60Hz or AC 230V, 50/60Hz				

* Other Specifications are available upon Customer's Request.

Ordering Information**Standard Case-type, 15W, UV Lamp × 6ea**

- DH.WUV00010 Transilluminator, 230V, 365nm, "WUV-L10"
 DH.WUV00020 , 312nm, "WUV-L20"
 DH.WUV00050 , 365+312nm, "WUV-L50"
 DH.WUV02010 Transilluminator, 120V, 365nm, "WUV-L10"
 DH.WUV02020 , 312nm, "WUV-L20"
 DH.WUV02050 , 365+312nm, "WUV-L50"

Compact Case-type, 8W, UV Lamp × 6ea

- DH.WUV00110 Transilluminator, 230V, 365nm, "WUV-M10"
 DH.WUV00120 , 312nm, "WUV-M20"
 DH.WUV00210 Transilluminator, 120V, 365nm, "WUV-M10"
 DH.WUV00220 , 312nm, "WUV-M20"

Spare UV Lamps

- DH.WUV01010 UV Lamp, 365nm, 15W, for "WUV-L10/-L50", "UVL365"
 DH.WUV01020 , 312nm, 15W, for "WUV-L20/-L50", "UVL312"
 DH.WUV01110 , 365nm, 8W, for "WUV-M10", "UVM365"
 DH.WUV02110 , 312nm, 8W, for "WUV-M20", "UVM312"

DAIHAN-brand® Portable Gel Documentation System, "WGD-20", 1.5M Pixel CCD Camera, with Certi. & Traceability with Digital CCD Camera & Optical Lens, Portable Darkroom Hood, WiseCapture II™ Capture Software, USB Interface

- with Certificate & Traceability :
Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- The Most Cost-Effective System
- High Precise and Large Caliber Optical Lens with Zoom, Focus and Iris Control are Used
- CE Certified ■ PL(Product Liability) Insurance

- * DNA, RNA gel Imaging Capture and Analysis
- * Digital CCD Camera (Resolution 1.5 Million pixel) with Portable Darkroom Hood is Offered
- * 1360 × 1024, 10-bit CCD, Available for 8-bit Gray Level Image Capturing
- * Power Consumption : N/A
- * Very Compact Portable Darkroom System Enables the Existing Transilluminators in the Lab to be used together with this system . High Flexibility in use is Offered
- * USB 2.0 Interface is available, through which Real-Time Images are transferred directly to PC
- * WiseCapture II™ Software : Easy and Fast Capture of Gel Image
- * TotalLab™ Software : Fully Automatic, Single Button Press Complete Image Analysis in Interesting Area(Optional)

Specification

Model		"WGD-20"
CCD Module	CCD & Pixel Size	1/2" CCD, 4.65 × 4.65 μm
	Max. Resolution	1360 × 1024
	Lens Mount & Optical Size	C mount, 7.6 × 6.2 mm
	Connect to PC & Power	USB 2.0, Supplied USB
Zoom Lens	Iris & Focal Length	F1.0 - Close, 8-48mm
	Operation Temp.	-10°C to +50°C
Overall	Dimension & Weight	260 × 260 × h430 mm, 9 kg
	Software Capability	Windows XP, Vista & 7
Packing Size (mm)		400 × 350 × h510 mm,
& Gross Weight (kg)		18 kg

* Other Specifications are available upon Customer's Request.

Ordering Information

- DH.WGD00020 Gel Doc. System, "WGD-20", with a Camera, Portable Darkroom Hood and WiseCapture II™
- DH.WGD00024 Gel Doc. System, "WGD-20S", with a Camera, Portable Darkroom Hood, and WiseCapture II™, TotalLab™ Quant DNA Analysis S/W

Optional Transilluminator & S/W

- DH.WUV00020 (1) Transilluminator, "WUV-L20", 20 × 20cm Filter 312nm, 15W UV Lamp × 6ea
- DH.WUV00050 (1) Transilluminator, "WUV-L50", 20 × 20cm Filter 365nm + 312nm, 15W UV Lamp × 6ea
- DH.WUV00120 (1) Transilluminator, "WUV-M20", 20 × 20cm Filter 312nm, 8W UV Lamp × 6ea
- DH.WGD00100 (2) TotalLab™ Quant, DNA Analysis S/W
- DH.WGD00120 (3) Phoretix 1D, DNA Analysis S/W
- DH.WGD00121 (4) Phoretix 1D Pro, DNA Analysis S/W
- DH.WGD00200 Laptop Computer, WGD-Laptop, for WGD Gel Doc. System

DNA Analysis S / W

(2) TotalLab™ Quant

- Automatic and Manual Lane Detection, Background Subtraction
- Fully Automatic Band Detection, Molecular Size / pI Calibration
- Quantity Calibration, Normalization

(3) Phoretix 1D (additional function)

- Band Matching, Band Picking, Dendrograms, Intensity Calibration

(4) Phoretix 1D Pro (additional function)

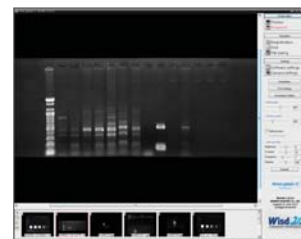
- Match Band Data Patterns across Large Groups of Lanes
- Choice of Algorithms to Generate Dendrograms : NeighborJoining, UPGMA, Complete Linkage, Single Linkage, Ward Library, Queries Function



Portable Gel Documentation System "WGD-20"

※ Computer System Requirements

- Intel Chipset, USB 2.0 Support Mainboard
- Over Pentium 4 Processor
- Over 256MB Main Memory
- Over 60MB Space of HDD for Installation and Running
- Window XP, Vista & 7 OS(32bit)

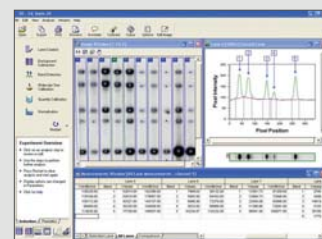


WiseCapture II™

- : Included S/W, Real-Time Image Viewing/Capture, Manipulate and Save Images



(1) UV Transilluminator(Optional)



One Stop Analysis

DAIHAN-brand® Unified Gel Documentation System, "WGD-30", 1.5M Pixel CCD Camera, with Certi. & Traceability Complete System, USB Interface, Unified Darkroom System, Built in Sliding Transilluminator with Digital CCD Camera & Optical Lens



- with Certificate & Traceability :
Controlled by Serial Number, Certificate, Delivery-information, and Traceable Data Base System
- Complete System with Digital CCD Camera, Safety Darkroom Hood and in-built Transilluminator is Offered.
- High-Quality Optical Lens with Zoom, Focus and Iris Control is Used
- CE Certified ■ **PL(Product Liability) Insurance**

- * DNA, RNA gel Imaging Capture and Analysis
- * Unified Darkroom System with in-built Sliding Transilluminator offers very High Safety in use.
- * Built in Transilluminator : 312nm, 8W x 6 UV lamps (WUV-M20)
- * White Light : 2 x Fluorescent lamp * Digital CCD Camera (Resolution 1.5 Million pixel)
- * 1360 x 1024, 10-bit CCD, Available for 8-bit Gray Level Image Capturing
- * USB 2.0 Interface is available through which Real-time Images are transferred directly to PC.
- * WiseCapture II™ Software : Easy and Fast Capture of Gel Image (Included)

Specification

Model		"WGD-30"
CCD Module	CCD & Pixel Size	1 / 2" CCD, 4.65 x 4.65 um
	Max. Resolution	1360 x 1024
	Lens Mount & Optical Size	C mount, 7.6 x 6.2 mm
	Connect to PC & Power	USB 2.0, Supplied USB
Zoom Lens	Iris & Focal Length	F1.0 - Close, 8~48mm
	Operation Temp.	-10℃ to +50℃
Transilluminator	UV Lamps & Filter Size	8W x 6ea, 200 x 200 mm
	Wave Length	Single 312 um
Overall	Daylight Fluorescent Lamps	7W x 2ea
	Dimension (mm) & Weight (kg)	External : 395 x 393 x h677 mm Internal : 350 x 275 x h400 mm Door : 343 x 257mm, Weight : 19 kg
	Power Supply*	1 Phase, AC 120V, 60Hz or 230V, 50/60Hz
	Power Consumption	62 W
	Software Capability	Windows XP, Vista & 7
Packing Size (mm) & Gross Weight (kg)		440 x 440 x h750 mm, 23 kg

* Other Specifications are available upon Customer's Request.

Ordering Information

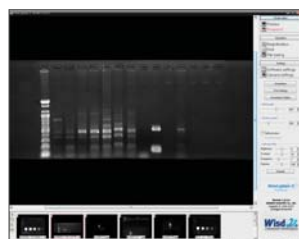
- DH.WGD00030 * Gel Doc. System, 230V, "WGD-30"
 DH.WGD00034 * , 230V, "WGD-30S", TotalLab™ Quant DNA Analysis S/W
 DH.WGD00230 * Gel Doc. System, 120V, "WGD-30"
 DH.WGD00234 * , 120V, "WGD-30S", TotalLab™ Quant DNA Analysis S/W

* Marks : with a Camera, Darkroom Hood, Transilluminator "WUV-M20", WiseCapture II™

Optional S/W & Spare UV Lamp

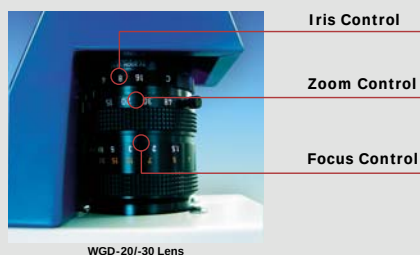
- DH.WGD00100 TotalLab™ Quant, DNA Analysis S/W
 DH.WGD00120 Phoretix 1D, DNA Analysis S/W
 DH.WGD00121 Phoretix 1D Pro, DNA Analysis S/W
 DH.WGD00200 LapTop Computer, WGD-Laptop for WGD Gel Doc. System
 DH.WUV01110 UV Lamp, 365nm, 8W, for "WUV-M10", "UVM365"
 DH.WUV02110 , 312nm, 8W, for "WUV-M20", "UVM312"

- ※ Computer System Requirements
- Intel Chipset, USB 2.0 Support Mainboard
 - Over Pentium 4 Processor
 - Over 256MB Main Memory
 - Over 60MB Space of HDD for Installation and Running
 - Window XP, Vista & 7 OS(32bit)



WiseCapture II™
 : Included S/W, Real-Time Image Viewing/Capture, Manipulate and Save Images

WGD-20 / 30 Lens System



WGD-20/30 Lens

DNA Analysis S/W

(2) TotalLab™ Quant

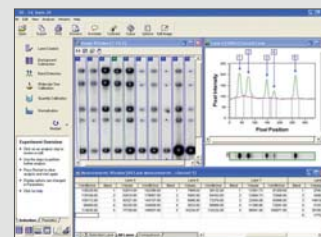
- Automatic and Manual Lane Detection, Background Subtraction
- Fully Automatic Band Detection, Molecular Size / pI Calibration
- Quantity Calibration, Normalization

(3) Phoretix 1D (additional function)

- Band Matching, Band Picking, Dendrograms, Intensity Calibration

(4) Phoretix 1D Pro (additional function)

- Match Band Data Patterns across Large Groups of Lanes
- Choice of Algorithms to Generate Dendrograms : NeighborJoining, UPGMA, Complete Linkage, Single Linkage, Ward Library, Queries Function



One Stop Analysis