

## **Gel Documentation System**

**MS Compact 1.4 & 2.0 Megapixel CCD Image System**

*Innovative Life Sciences Tools*



## MS Compact 1.4 & 2.0 Megapixel CCD Image System

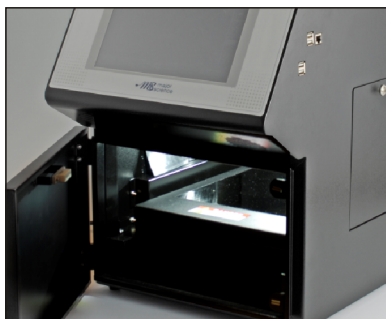
The UVC1140 & 200 series is the advanced CCD gel imaging system from Major Science. It consists of a CCD camera, UV transilluminator, and 10.4" touch screen computer; all built into a compact and stylish casing. The system is fully customizable, with selectable 1.4 or 2.0 megapixels, high sensitivity CCD camera, and a combination of 254, 312, and 365 nm UV transilluminator wavelengths. The user is able to operate the system using a simple touch screen interface. The system is capable of handling a wide range of applications, including fluorescence, colorimetric and gel sample image capture. The two side door design also provides for convenient gel cutting.

### Features

- High resolution 1.4 MP & 2.0 MP CCD camera
- 10.4" Color Touch Screen
- Image format: TIFF/BMP/JPEG/PNG
- Selectable 8 or 16 bit file storage.
- Images can be exported through a network Ethernet cable or USB key
- Modular system allows for easy upgrade of hardware or software
- Small footprint helps conserve limited lab space
- Dual side door access for gel cutting
- Single or dual wavelength modules available upon request
- 2 x 3W LED white light
- Supports Mitsubishi P95DW USB thermal-printer
- Safety door switch device



Cat. No. UVC1140 / UVC1200



Built-in UV Transilluminator



USB and Network Interface



Convenient Access

## CCD Camera

Model	UVC1140	UVC1200
Type	GigE vision black/white CCD camera	
Image detector	CCD	
Effective pixels	1,450,000 pixel	2,010,000 pixel
Image size	1388 x 1040	1624 x 1232
Pixel size	6.45 $\mu\text{m}$ x 6.45 $\mu\text{m}$	4.4 $\mu\text{m}$ x 4.4 $\mu\text{m}$
Max. frame rate	15 fps	
Digital interface	Giga Ethernet	
Pixel density	12 bits	
Lens	F/1.2, 12.5 – 75mm with one Close-up lens	
Exposure time	0.001 – 10 sec. (CCD on-chip integration)	
Filter	EtBr or SYBR Green filter as standard	

## Control Interface and Display

Control panel	10.4" color touch screen
Image format	TIFF (8/16-bit), BMP (8-bit), JPEG (8-bit) or PNG (8/16-bit)
Image storage	4GB CF card (Built-in memory); USB stick (External memory)
Interface	10/100Mb Ethernet port
	USB 1.1/2.0, 4 ports
	Support Mitsubishi P95DW USB thermal-printer

## Darkroom

Inner white light	2 x 3 Watt built-in white light LED
Safety interlock	Automatic UV shut-off when door open
Side door access	Two side doors for gel cutting
Rated voltage	100 – 240V
Unit dimension (W x D x H)	350 x 530 x 670mm
Gross weight	Approx. 26kg (57 lbs.)

## Transilluminator

Built-in UV light source	254, 312 or 365nm Single wavelength 254 / 312, 254 / 365nm Dual wavelength
Filter size	21 x 21 cm
Lamp	6x 8W UV lamps



**This product is offered as a complete system for the user to perform image capture, including:**

- 1 x CCD Camera
- 1 x Zoom lens
- 1 x Close up lens
- 1 x Touch pen
- 1 x EtBr or SYBR Green filter
- 1 x UVCI chamber
- 1 x Built-in UV transilluminator with single 254/312/365nm or dual 254/312, 254/365 wavelength
- 1 x Power cord
- 1 x Built-in control interface



Control Interface



## Ordering Information

UVCI140-254	Compact Image System with 1.4 megapixels CCD camera and built-in 254nm UV Transilluminator
UVCI140-312	Compact Image System with 1.4 megapixels CCD camera and built-in 312nm UV Transilluminator
UVCI140-365	Compact Image System with 1.4 megapixels CCD camera and built-in 365nm UV Transilluminator
UVCI140-254/365	Compact Image System with 1.4 megapixels CCD camera and built-in 254/365nm UV Transilluminator
UVCI140-254/312	Compact Image System with 1.4 megapixels CCD camera and built-in 254/312nm UV Transilluminator

UVCI200-254	Compact Image System with 2.0 megapixels CCD camera and built-in 254nm UV Transilluminator
UVCI200-312	Compact Image System with 2.0 megapixels CCD camera and built-in 312nm UV Transilluminator
UVCI200-365	Compact Image System with 2.0 megapixels CCD camera and built-in 365nm UV Transilluminator
UVCI200-254/365	Compact Image System with 2.0 megapixels CCD camera and built-in 254/365nm UV Transilluminator
UVCI200-254/312	Compact Image System with 2.0 megapixels CCD camera and built-in 254/312nm UV Transilluminator

CI-CL55+2	55mm Close up lens
CI-EB55	55mm Ethidium Bromide filter
CI-SG55	55mm SYBR Green filter
DI-WL01	36 x 24cm white light plate with 30 x 20cm view dimension
DI-P95TW	Mitsubishi thermal printer
DI-UNSCAN-IT	Basic gel analysis software package
MUV-F21-254/365	21 x 21cm filter for built-in 254, 365, 254/312, 254/365nm UV Transilluminator
MUV-F21-312	21 x 21cm filter for built-in 312nm UV Transilluminator
UVCI140-CCD	1.4MP CCD camera
UVCI200-CCD	2.0MP CCD camera
UVCI-LENS-001	Camera zoom lens
MUV-T254	8W 254nm UV lamp
MUV-T312	8W 312nm UV lamp
MUV-T365	8W 365nm UV lamp



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