

Phase One MSI Solution

The Only Fully Automated 100MP Multi Spectral Imaging System

A non-destructive and non-invasive method for the analysis of an array of applications in art conservation, ancient manuscripts studies, forensics and more..



PHASE**ONE**

Multi Spectral Imaging System

Camera specification

iXG 100MP Wide Spectrum

Sensor size	53.4 x 40.0
Resolution	11608 x 8708
Pixel size (µm)	4.6µm
ISO Range	50-6400
Data Interface	USB3
File Formats	Raw 14bit, Raw 16bit
Lenses	Schneider Kreuznach RS 72mm and/ or 120mm
Weight (gr) with 72mm lens	2,300 inc. L-Bracket
Dimension (mm) with 72mm lens	150 x 130 x 130 inc. L-Bracket
Approvals	FCC Class A, CE, RoHS
Operating Temperature (°C)	-10 to 40
Operating Humidity (%)	15 - 80 (non-condensing)
Accessories	BG39 filter for normal photography, with magnetic adaptors. Custom lens shade suited for the supplied filter wheel

System specification

Multiband Solution

Narrowband Solution

Included LED lights	2 x UV, inc. UG11 filters (365 µm) 2 x VIS, inc. BG39 filters 2 x IR (860µm & 960µm)	Wavelengths (µm): 365, 385, 410, 420, 450, 480, 510, 530, 550, 600, 630, 640, 660, 740, 850, 940
Configuration	2 banks of 3 lights each	2 panels with 16 LEDs in each
Filter Wheel (5- position)	Included, controlled via USB	
Communication with lights and filter wheel	USB via 7-port powered hub	
Light stands	Not included	
Included Capture Computer	DELL Mobile Precision 7740 CTO BASE, 17.3", i9 processor, 64GB RAM, 1TB SSD, Windows 10 OS	
Workflow Software	Phase One Rainbow MSI software	
Output	8-image color stack, according to Charisma Guidelines	16-image monochrome stack, ready for statistical analysis

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