

The International Dunhuang Project Photographic Equipment Specifications

Studio

Phase One P45 Digital Back:

39 MP sensor and 225 MB 16 bit file sizes, produces RAW image files.

<http://www.phaseone.com/Content/p1digitalbacks/P-,a,H-series/P%2045.aspx>

Mamiya 645D:

Medium format camera.

<http://www.mamiya.com/cameras2.asp?id=1&id2=1728>

Mamiya 120mm macro lens:

For detailed close-up work.

<http://www.mamiya.com/lenses.asp?id=1&id2=2152&id3=2154&id4=2167&id5=2168>

Mamiya 55mm lens:

For wide angled work.

<http://www.mamiya.com/lenses.asp?id=1&id2=2152&id3=2154&id4=2162&id5=2164>

Phase One Powerphase FX Scanning Back:

Uses a linear light sensitive surface to scans across the entire exposure area to capture the full image. 189MB files at 16bit.

<http://www.phaseone.com/Content/p1digitalbacks/Discontinued%20hardware/PowerPhase.aspx>

Devere 480 copy stand:

For large format flat copying.

Rodenstock Apo-Sironar Digital 135mm lens:

For flat copying

Nikon 210mm Lens:

For close up work.

Photon Beard Highlight Fluorescent Studio Lighting:

Cool lighting with low energy consumption, daylight balanced for colour consistency.

<http://www.photonbeard.com/2006fluor.cfm>

Elinchrom Studio Flash System:

For use where the fluorescent lighting is inappropriate.

<http://www.elinchrom.com/>

Infra-Red filter set:

Filters cover 750 to 1000 nanometres. We have had the Infra-Red filter removed from the P45 digital back so that IR photography can be performed with both camera set ups.

Portable

P45 with Mamiya Camera:

Specifications as above

Kaiser Copy Stand:

For flat copying on location

Kaiser Lighting Unit:

Fluorescent cold source lighting