

Capture a Digital Image

ICPMM321B



Ref No: DDICP21A

Elements of Competency

Assess digital camera qualities

- Camera software compatibility with hardware system is assessed and the appropriate software is selected for the job
- Pixel resolution of the camera is matched to the required quality and resolution of outcome
- The RAM capacity of the camera is checked to be appropriate to the number of images required to be captured
- Shutter speed, focal lengths and camera feature modes (eg flash, scrollage, icon menu, close-up, wide angle and telephoto capacity) are assessed suitable for the quality and use of photographic images required
- Lithium batteries are handled and stored according to OHS requirements

Set up for image capture

- Camera is set up for image composition according to job specifications
- Lighting is arranged according to job specifications
- Light intensity is set for the correct exposure

Preview image

- Tone curves are adjusted according to job specifications
- The neutral balance of the image is arranged and adjusted
- Adjustments to image composition and exposure are made
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Photograph and upload a digital image

- The digital camera is loaded and operated according to manufacturer's specifications appropriate to the quality of image to be photographed
- The computer card interface/disk is uploaded onto the relevant computer and the image saved on hard disk
- Photographic image files are created and stored on the computer according to software procedures
- Photographic images are enhanced, cropped and altered electronically to deliver the required image
- Photographic images are checked for fitness of purpose and conformance to the job brief
- Photographic images are assessed fit for the relevant delivery mode (eg print, CD-ROM) and delivered appropriately

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Number of Pages	59
Audience	This manual is aimed at people who are studying the Certificate II in Printing and Graphic Arts ICP20105 or the Certificate II in Information & Communications Technology ICA20105. It covers the unit of ICPMM321B Capture a Digital Image.
Prerequisites	Nil
Course Length	In a training environment this manual is suitable for approximately 4-6 hours.
Course Structure	The course contains instructor lead exercises as well as examples completed at the students' own pace. A course disk accompanies the manual. A course disk contains the necessary files to complete the manual.

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Digital Cameras

Pixel Resolution

What is the Camera's MP Rating?

Changing the MP count

Activity

Camera Memory

Memory Types

What is the Camera's Memory Capacity?

Changing the Memory Settings

Activity

Shutter Speed

What is the Camera's Shutter Speed?

Changing the Shutter Speed Settings

Activity

Focal Length

What is the Camera's Focal Length?

Changing the Focal Length Settings

Activity

Zoom

Telephoto

Adjusting the Camera Zoom

Activity

Flash

Changing the Camera Flash Settings

Activity

Batteries

Nickel-Metal Hydride Batteries

Lithium Batteries

OH&S Considerations

Activity

Camera Software

Activity

Image Capture

Image Composition

Lighting

Light Balance

Exposure

Picture Sharpness

Tone Curves

Filtering

Activity

Upload a Digital Image

Transfer to PC

Activity

Accessing Files from a Digital Camera

Burning files to a CD

Activity

Image Manipulation

Compressing Image Files

Image Cropping

Contrast and Brightness Adjustment

Colour Enhancement

Red Eye Reduction

Flip and Rotation

Activity

Printing

DPI Settings

Activity