



Nautilus Scuba Club - Photo Competition

Photo Preparation and Sizing Guideline

All photos entered in the competition will be printed at **A3** size. Please ensure that photos are submitted at an appropriate size and image quality, to avoid the need for adjustment by the organisers prior to printing.

No cameras take a photo the same “shape” (i.e. aspect ratio) as an A3 page (1:1.414). You can leave your photo in the original aspect ratio or crop as you like, but for best printed results please aim to **fill the printed page by cropping your photos to A3**. Note that any aspect ratio other than A3 will result in wider white borders either top/bottom or side/side. *(The actual printed paper used will be slightly larger than A3, giving all photos a narrow white border around the image.)*

For optimum printing quality, size your images to suit A3 at 240 or 300 dpi (dots/pixels per inch). This means an **aspect ratio of 1:1.414** and an image size of at least 2,800 pixels on its longest side. *(Tip - If you are using Adobe Lightroom you can set a “custom” aspect ratio of 1:1.414 in the “cropping and straighten” tool).*

To prepare the image file to get the best print quality, and avoid the risk of unwanted cropping during printing, please follow these guidelines:

- If your original photos are **4:3** aspect ratio (i.e. most compact cameras, mobile phones, M4/3 e.g. Olympus/OM-system mirrorless), you could either:
 - crop your photo slightly (top/bottom) and size to suit A3, as above; or
 - keep the original aspect ratio and size of the photo, resulting in slightly wider borders on the short edge.
- If your original photos are **3:2** aspect ratio (i.e. SLR and larger mirrorless cameras, e.g. Canon, Nikon, Sony etc), you could either:
 - crop your photo slightly (sides) and size to suit A3 as above; or
 - keep the original aspect ratio and size of the photo, resulting in slightly wider borders on the long edge.

Images should be saved as JPEG/JPG, and at least 90% or High quality (depending on the image software used) and can be in landscape or portrait orientation.

The following page shows examples of an image printed on A3 paper when sized or cropped at different aspect ratios. Parts shown in red will print as wider white borders, parts shown as hatched may be cropped during printing if this sizing guide is not followed.

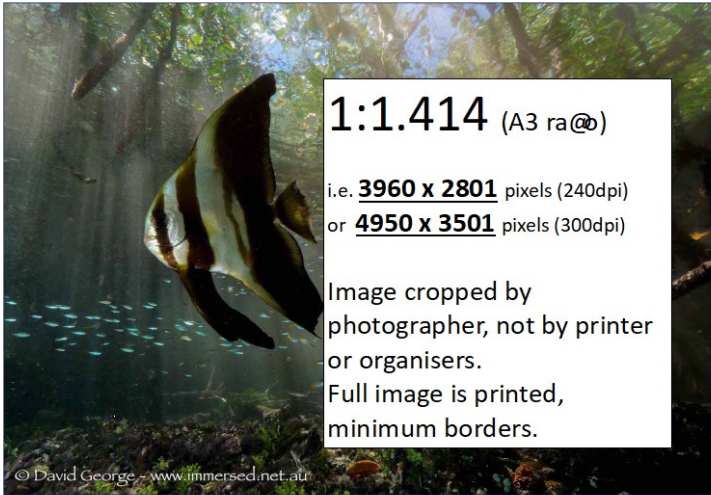
Please prepare your images for printing. As a guide to avoid the printed photo from looking darker than expected, overall image brightness should generally be higher than for viewing on a monitor or screen.

If you're having trouble and need assistance preparing your images, please contact Alex at: photocomp@nautilus-scuba.net or Dave at president@nautilus-scuba.net.



Nautilus Scuba Club - Photo Competition

Photo Preparation and Sizing Guideline



1:1.414 (A3 ra@)

i.e. **3960 x 2801** pixels (240dpi)
or **4950 x 3501** pixels (300dpi)

Image cropped by
photographer, not by printer
or organisers.
Full image is printed,
minimum borders.

© David George - www.immersed.net.au

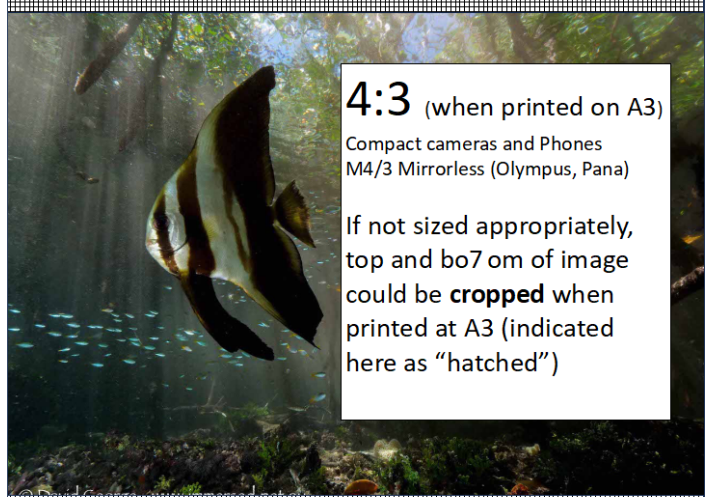


3:2 (not cropped to A3)

SLR + big mirrorless
(Canon/Nikon/Sony)

Sized according to guide

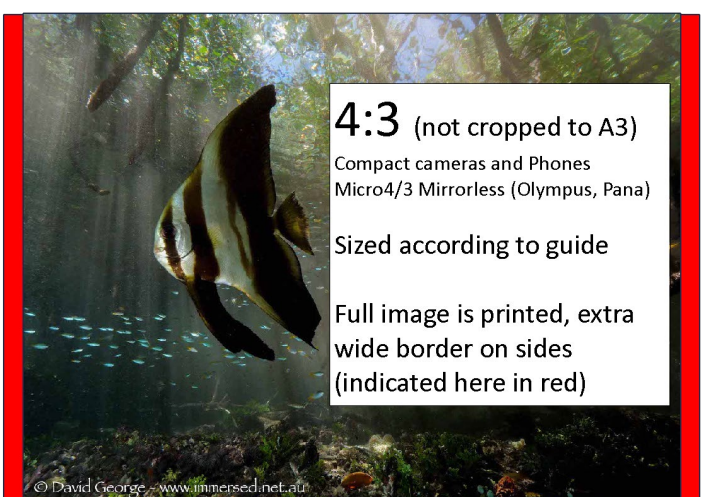
Full image is printed, extra
wide border on top
(indicated here in red)



4:3 (when printed on A3)

Compact cameras and Phones
M4/3 Mirrorless (Olympus, Pana)

If not sized appropriately,
top and bottom of image
could be **cropped** when
printed at A3 (indicated
here as "hatched")



4:3 (not cropped to A3)

Compact cameras and Phones
Micro4/3 Mirrorless (Olympus, Pana)

Sized according to guide

Full image is printed, extra
wide border on sides
(indicated here in red)