

D40x For Dummies

Nikon DX format

sensors always have additional pixels around the active pixels, called dummy pixels (unmasked, working pixels) and optical black pixels (pixels which

The Nikon DX format is an alternative name used by Nikon corporation for APS-C image sensor format being approximately 24x16 mm. Its dimensions are about 2/3 (29 mm vs 43 mm diagonal, approx.) those of the 35mm format. The format was created by Nikon for its digital SLR cameras, many of which are equipped with DX-sized sensors. DX format is very similar in size to sensors from Pentax, Sony and other camera manufacturers. All are referred to as APS-C, including the Canon cameras with a slightly smaller sensor.

Nikon has produced 23 lenses for the DX format, from macro to telephoto lenses. 35mm format lenses can also be used with DX format cameras, with additional advantages: less vignetting, less distortion and often better border sharpness. Disadvantages of 35mm lenses include generally higher weight and incompatible features such as autofocus with some lower-end DX cameras. Nikon has also produced digital SLRs that feature the larger Nikon FX format sensor that is the size of the 135 film format.

In 2013, Nikon introduced a high-end compact camera with a DX-sized sensor, the Nikon Coolpix A, featuring an 18.5 mm lens.

Lensbaby

2013-05-24. Sahlin, Doug (2011). Digital Landscape and Nature Photography For Dummies (1st ed.). Retrieved June 3, 2013. Elinor Stecker-Orel (2007-12-10).

Lensbaby is a line of camera lenses for DSLR and mirrorless cameras that combines a simple lens with a bellows/ball and socket mechanism for use in special effect photography. A Lensbaby can give effects normally associated with view cameras. The lenses are for use in selective focus photography and bokeh effects.

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