
Subject: Re: PdfDraw, custom DPI request + my fix
Posted by [mirek](#) on Thu, 15 Sep 2022 08:59:29 GMT
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OK, that is misunderstanding and the problem is elsewhere.

Image::GetSize returns "pixel size" without taking account of DPI (or any other physical dimension).

Now there is Image::GetDots, which returns the size of image in "dots", where dot which is basically 600DPI pixel. Everything in U++ Draw related code that deals with physical dimensions is in dots, including all dimensions in PdfDraw.

Long story short, if you use GetDots instead of GetSize here, it will work as you needed.

Just for reference, to be sure I have tested with this code:

```
GUI_APP_MAIN
{
    for(const char *fn : { "C:/upp/MyApps/6x9_300dpi.png", "C:/upp/MyApps/6x9_600dpi.png" }) {
        Image img = StreamRaster::LoadFileAny(fn);
        Size isz = img.GetDots();
        DDUMP(isz);

        PdfDraw draw(isz.cx, isz.cy);

        draw.DrawImage(0, 0, isz.cx, isz.cy, img);

        SaveFile("D:/xxx/" + GetFileTitle(fn) + ".pdf", draw.Finish());
    }
}
```