

Convert to JPG

```
mogrify -format jpg *.bmp
```

Convert images to PDF

```
convert pages_*.png final.pdf
```

```
convert pages_*.png -resize 50% -compress jpeg -quality 75 final.pdf
```

merge PDFs

```
pdfunite in-1.pdf in-2.pdf in-n.pdf out.pdf
```

Process PDF pages

```
convert -density 300 scanned.pdf output-%02d.png

convert output*.png -normalize -threshold 80% normal.png
# or
convert output*.png +dither -colors 2 -colorspace Gray -normalize normal.png
# or
convert output*.png -monochrome normal.png # <-- this product nice dithered
B&Wimage

convert normal*.png final.pdf
```

One liner:

```
convert -density 300 scanned.pdf -monochrome output.pdf
convert -density 300 scanned.pdf -normalize -threshold 70% output.pdf
```

Rename images to EXIF date

Use **krename** application.

jhead

```
jhead -n%Y%m%d-%H%M%S *.jpg
```

exiv2

```
exiv2 -k -r '%Y-%m-%d_%H-%M-%S:basename:' rename "$i" exiv2 -v -r  
'%Y%m%d.%H%M%S:basename:' rename "$i"
```

exiftool

```
exiftool -d %Y-%m-%d_%H-%M-%S%-c-%%e "-filename<CreateDate" DIR  
If you want to keep track of original filename and write extension lower  
case:
```

```
exiftool -d %Y%m%d_%H%M%S%-c-%%f.%%le "-filename<DateTimeOriginal" [.|DIR]  
The same works also with the whole filename in lowercase:
```

```
exiftool -d %Y%m%d_%H%M%S%-c-%%lf.%%le "-filename<DateTimeOriginal" [.|DIR]
```

Remove EXIF data

```
for i in *.jpg; do echo "Processing $i"; exiftool -all= "$i"; done
```

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