

## E0C33 Family JPEG33 Middleware

### Image compression and decompression middleware

- JPEG image compression and decompression middleware for the E0C33 Family
- Monochrome, RGB, YUV image-processing function supported
- PC tools to convert a JPEG compressed image into ROM data

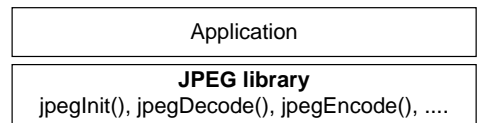
#### FEATURES

- Image middleware for the E0C33 Family is provided in the form of a linkable library in a 3.5-inch FD.
- This middleware conforms to JFIF and is compatible with a great deal of JPEG data.
- Compress and decompress the image of B/W, grayscale, RGB color and YUV color.
- Compression ratios including YUV 4:4:4, 4:2:2 and 4:1:1 can be selected and a pseudo progress function can be used.
- PC tools for creating compressed JPEG image ROM data and evaluating image quality are provided.
- JPEG33 does not use any interrupt or peripheral functions.
- Suitable for applications that capture and display image data such as digital cameras, PDA, digital stationery and digital toys.

#### SOFTWARE CONFIGURATION

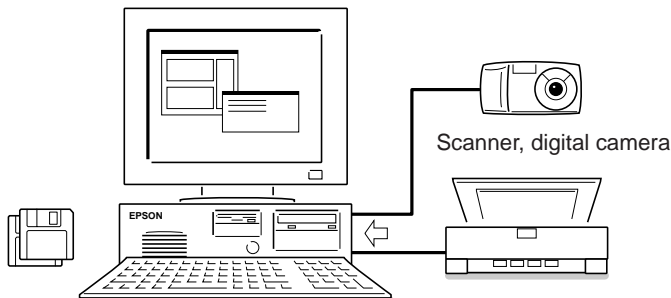
##### ● JPEG Library

Library including subroutines that are called from the user's application. Compression and decompression are possible in an E0C33 chip.

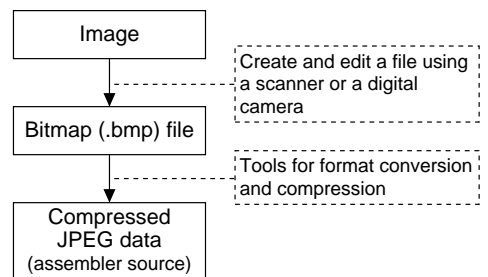


##### ● JPEG Tool

This tool creates compressed JPEG image ROM data for display only. It can be used with Windows95/NT4.0.

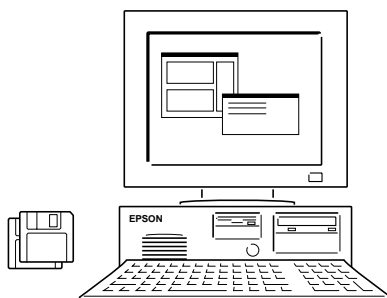


##### Flow in PC (Example)



##### ● JPEG Evaluation Tool

This tool is for evaluating JPEG compression and decompression quality on a PC. With a PC, using GUI tools, the quality of image files when the compression ratio is changed can be evaluated. It can be used with Windows95/NT4.0.



JPEG evaluation tool

\* This middleware is only available with the IC (E0C33 Family). This specification may change without notice.

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