

JPG\$ - Return Pixel Height & Width from .JPG File

The JPG\$ routine can be used to obtain the Pixel Height and Width from a .JPG file.

1. Invocation

To obtain the pixel sizes from a .JPG file code:

```
CALL JPG$ USING fd px
```

where *fd* is a **closed** OR\$98 or OR\$98X FD containing the name of the file; and *px* is a control block of the following format:

01	PX		
02	PXFLG1	PIC 9(2) COMP	* Internal use only. No. of control blocks * encountered before FFC0 or FFC2
02	PXFLG2	PIC 9(2) COMP	* Internal use only. * 0 = FFC0; 1 = FFC2
02	PXWIDTH	PIC 9(4) COMP	* Pixel width returned here
02	PXHEIGHT	PIC 9(4) COMP	* Pixel height returned here
02	PXFLG3	PIC 9(2) COMP	* Info from #FFE0 block follows

*
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The rest of the returned information is only valid if PXFLG3 is nonzero

02	PXEXTRA		
03	PXID	PIC X(5)	* .JPG identifier string
03	PXVERH	PIC 9(2) COMP	* High-order byte of version number
03	PXVERL	PIC 9(2) COMP	* Low-order byte of version number
03	PXUNITS	PIC 9(2) COMP	* Density units * 0 = no units, aspect ratio only * 1 = pixels per inch * 2 = pixels per centimetre
03	PXXDENS	PIC 9(4) COMP	* Horizontal pixel density
03	PXYDENS	PIC 9(4) COMP	* Vertical pixel density

2. STOP Codes and Exception Conditions

No STOP codes are generated by JPG\$.

The following EXIT codes may be returned by JPG\$:

EXIT code	\$\$COND	Description
12510	10	The file specified in the OR\$98 or OR\$98X FD could not be opened.
12511	11	Unable to allocate internal buffer.
12512	12	The file specified in the OR\$98 or OR\$98X FD could not be read.

12513	13	Invalid file format. The 1 st 2 bytes of the file are not #FFD8
12514	14	Invalid Control Block. An internal block does not start with a byte of #FF.
12515	15	No control blocks of the expected format were detected in the .JPG file.

3. Programming Notes

JPG\$ is only available with GSM SP-27, or later.

JPG\$ searches the .JPG file for a control block that starts with a marker of either #FFC0 or #FFC2. The pixel dimensions are extracted from the control block.

JPG\$ also searches the .JPG file for a control block that starts with a marker of #FFE0. The extra information (PXEXTRA) is extracted from the control block.

4. Examples

[EXAMPLES REQUIRED]

5. Copy-Books

None.

6. See Also

None.