

Collecting Information From Multiple Pixel Maps or Pictures

You can survey a number of pixel maps or pictures and accumulate information about them in the picture information record. You can perform a number of such surveys simultaneously; they are identified by a unique identifier created when you call the **NewPictInfo** function to begin a survey.

You indicate which pixel maps or pictures to survey by making repeated calls to the **RecordPixMapInfo** or **RecordPictInfo** function. When you want to check the accumulated statistics, use the **RetrievePictInfo** function, and the picture information record will be filled with the latest information.

When you have finished a survey, call the **DisposPictInfo** function to dispose of the data structures associated with the identifier for that survey. Note that **DisposPictInfo** does not dispose of the handles returned in the picture information record.

Storing Information: The Picture Information Record
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The **PictInfo** data type defines the record that stores pixel map and picture information, as gathered from a single image or from surveying a number of them. When you collect pixel map information, the first seven fields of the picture information record are of primary interest; the count fields contain 0, except for **bitMapCount** and **pixMapCount**, which contain the number of bitmaps and pixel maps encountered.

When you have examined multiple pixel maps, the **hRes** and **vRes** fields of the picture information record contain the last resolution encountered, the **depth** field contains the deepest pixel depth encountered, the **uniqueColors** field contains the total number of different colors encountered (up to the accuracy of the **Picture Utilities Package** storage bank for colors), and the color table or palette contains the most popular or widest range of colors across all the pixel map records and object colors examined.

If you requested a count of the comments in your **GetPictInfo** function, the picture information record contains a handle to an array of comment specification records (**CommentSpec**). The **uniqueComments** field value indicates the number of comment specification records listed.

If you requested that font information be collected in your **GetPictInfo** function, the picture information record contains a handle to an array of font specification records (**FontSpec**).

You must dispose of any handle that the picture information record gives you (**thePalette**, **theColorTable**, **commentHandle**, **fontHandle**, and **fontNamesHandle**) when you are through with it.