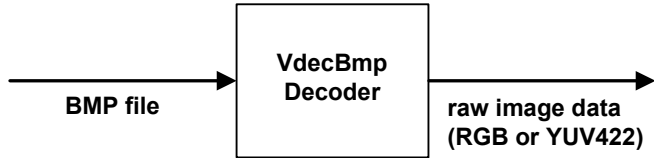


The VdecBmp component decodes Windows® Bitmap format files to YUV 4:2:2 and RGB raw image data.



# VdecBmp

## Description

The VdecBmp component is a Windows bitmap decoder. It can decode a BMP file and output as YUV 422 or RGB image data. For YUV 422 image data, it supports both NTSC and PAL video broadcast standard.

The decoder can decode bitmap files of any dimension, with maximum pixels being restricted to 2M pixels. VdecBmp component can perform down scaling of an image. The scaling dimensions are limited only by the available memory.

The VdecBmp component supports decoding of multiple BMP files.

## Applications

- Photo Album Viewer

## Documentation

Detailed documentation of the VdecBmp component is available.

## Features

- Decodes Windows Bitmap formats
- Output is YUV 4:2:2 and RGB raw image data
- For YUV both NTSC and PAL are supported
- Supports decoding of more than one file
- Supports downscaling
- TSSA compatible

# VdecBmp

## Technical Information

### Memory Usage

Static Memory	334.576
Dynamic Memory (excluding pSOS task stack size)	1.467kBytes for the decoder 667.648 kBytes for the input and output packet

### Processor Load (MIPS)

The VdecBmp component can decode image sizes of up to 7M pixels/second for a 24bpp BMP image

### Other Information

Supported Processors	TM1100
Version number	2.2
Patent/License Issues	
Build with Compiler Version	TCS 2.2

### Related TriMedia TSSA Software Components

Fread, VrendVo.

### Example Programs

The test program, exolPicture, reads a BMP file, decodes it and displays it on a TV. The streaming graph for this application is tmFread > VdecBmp > VrendVo.

The tests that are run by this application are:

1. Open and Close test
2. Start and Stop tests
3. Downscaling tests for user specified dimensions

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Release Date: June 2003

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