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SBIG

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Application Note
Calling SBIG Drivers from Visual Basic
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Purpose
This Application Note describes how to talk to the SBIG Parallel Port based cameras using Visual Basic.
This requires the 32 bit versions of Visual Basic so don't even think about using the older 16 bit
versions.

Talking to a Camera
- Install the following to talk to a camera under Windows 95/98/Me:
  1. Copy the SBIGVB32.DLL[1], SBIG32M.DLL and SBIGNT.DLL files to your
     \WINDOWS\SYSTEM directory. Because the top-level SBIGVB32.DLL calls these lower-level
     DLLs you need all three or Visual Basic will report "Can't find SBIGVB32.DLL".
  2. Copy the SBIG32.VXD file to your \WINDOWS\SYSTEM directory.

- Install the following to talk to a camera under Windows NT/2000:
  1. Copy the SBIGVB32.DLL[1], SBIG32M.DLL and SBIGNT.DLL files to your \WINNT\SYSTEM
     directory. Because the top-level SBIGVB32.DLL calls these lower-level DLLs you need all
     three or Visual Basic will report "Can't find SBIGVB32.DLL".
  2. Run the INSTDRV.EXE program to install the SBIG.SYS driver in your
     \WINNT\SYSTEM32\DRIVERS directory and to start the driver. If you are replacing and older
     copy use the INSTDRV.EXE program to Uninstall the old driver before installing the new
     driver.

- Add the SBIGTYPES.BAS file to your project
  The SBIGTYPES.BAS file contains Const, Enum, Type and the Function declarations and is the
  Basic equivalent of the PARDRV.H file from C. Use these types and constants within your
  program. For example to call the Establish Link function would look like:

  elp as EstablishLinkParams
  res as PAR_ERROR

  elp.port = BASE_ADDR
  elp.baseAddress = &H378
  res = ParDrvCommandVB(CC_ESTABLISH_LINK, elp, 0)

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[1]   Don't get the name of the SBIGVB32.DLL confused with the old, non-supported SBIG32VB.DLL. The names are
practically the same but the older DLL won't work.