

Microscan Vision Hawk Camera Driver

Information Sheet for Crimson v3.0+

Compatible Devices

Microscan Vision Hawk Camera's supporting HTTP image commands.

Verified Device

GMV-6800-1212G
GMV-6800-1202G

Overview

Please review the following information to achieve successful communications.

Device Configuration

The ability to scale images and set default values are provided in the Crimson 3.0+ device configuration. Please be sure that the Red Lion's display is suitable for viewing the scaled image, or in the case of no scaling the expected resolution. Note that scaled values width and height must be set to a value equal or greater than half the acquisition width and height, respectively. Default values may be set for Graphic, Border and Failed Image settings. Please see the Accessing Data section of this information sheet for data manipulation via the physical user interface.

Accessing Data

The following operations may be performed by using the Crimson 3.0+ provided user function DevCtrl(int Device, int Function, cstring Value) as detailed in the following table.

Operation	Function	Value
Enable Graphics	1	"1"
Disable Graphics	1	"0"
Enable Border	2	"1"
Disable Border	2	"0"
Enable Failed Image	4	"1"
Disable Failed Image	4	"0"
Set Device IP Address	6	IP Address
Get Device IP Address	7	""

Notes: Device number is found in the top right corner of the editing pane.
All enable, disable and set functions return a value of 1 upon success and a value of 0 on failure.
Get functions return the value in 32-bit numeric form.

Examples:

Disable Border for Device 1: DevCtrl(1, 2, "0")

Set IP Address for Device 2 to 192.168.0.9: DevCtrl(2, 6, "192.168.0.9")

Cable Information

Standard 10-Base-T Ethernet Cable

Revision History

09/13/12 – Created

09/20/12 – Added scaling note.