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Subject: Re: Problem displaying images on 8 bit monitor

Posted by [mark](#) on Wed, 11 Oct 2006 09:28:55 GMT

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The DOME card/monitor I have uses 8 bits per pixel grayscale - it's set to a 256 level static grayscale and there is no option for this card to increase the bit-depth.

The other display programs I have used (that work fine with this card) are ImageJ and Osiris, i.e. normal shareware display programs downloaded from the web that are not at all specifically designed for this card. I'm fairly sure that even Paintshop word work, though I haven't installed and tested that.

On this monitor, IDL is displaying the 8 bit images 5 bit, i.e. there are only 32 discrete gray level values being displayed instead of 256. That is why the image does not look smooth. I can't understand why this is the case, but I will take your advice and forward a message to Tech Support and see what they say.

Mark Hadfield skrev:

> Karl Schultz wrote:

>

>> The problem is that this is a DOME card/monitor that uses 12 bits per pixel greyscale.

>>

>> His "other" display programs probably are written specifically for this card, and that's why the image looks smooth.

>>

>> IDL isn't leveraging the 12-bit per pixel feature of this device and needs to be modified to do so.

>>

>> Mark should forward a request to ITTVIS Tech support, asking that IDL support this device in 12-bit.

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> Tell them Karl sent you.

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