

Topic: C7130 Auto-tune Fails on Certain EIZO LCD Displays
Component(s) Affected: C7130 C/Port, EIZO LCD Display, MGA Video Card
Date: August 1, 2006

OVERVIEW / ENVIRONMENT

Certain EIZO LCD displays are unable to auto-tune to the C/Port digital link signal when used with the MGA video card.

DETAILED DESCRIPTION

When used with the MGA video card, EIZO model EL795 and EL768 LCD displays are unable to correctly Auto Tune to the video signals.

This issue arises only when used the display's analog input is used, and is not present when the DVI input is used. If the monitors are connected to a Multi-Video Expander (MVX), this also is not an issue.

The EIZO monitors react to the Frame ID Bits that are sent by the MGA video adapter in video during the Vertical Refresh time. These signals are used by the MVX to identify to which monitor the following video signal will be sent. When using a MVX these signals are stripped prior to sending video. In the case of the integrated graphics video adapters, the Frame ID Bits are not sent.

RESOLUTION

When using these monitors to connect to a blade with an installed MGA video adapter, connect an MVX between the C/Port and the monitor, or remove the MGA video adapter. No workaround is available for blades that require an MGA video adapter, such as the R2100 and R2200.

For more information, please contact ClearCube technical support.

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