Blue Lucy Media

Miura Products - Qualified Hardware

Last Updated: January 2011

Contents

Overview

The BLM Miura range of video processing products and tools are designed to run on any commodity IT hardware under any Windows operating system. In most cases the specification of the machine is not of great significance aside from the standard equation of performance through-put (of a Miura Trandscode service for example) relative to the CPU specification, disk I/O speed and available memory. In the case of Miura Linear Ingest, however there are minimum hardware requirements for the server side component as you would expect for a service which is encoding HD SDI video and audio in real time – these requirements are detailed below.

For client side applications any standard modern PC with a good, modern graphics card is sufficient.

Recommended Hardware – Host Machine

BLM software will run on any hardware platform running Windows, our preferred manufacturer is Hewlett Packard. HP machines are generally well built, well supported and reliable. Our factory 'built, boxed and bubble-wrapped' systems are currently all built on HP hardware. The following devices are recommended for the Miura Linear Ingest – server side component.

Workstations

The new HP Z200 and Z400 are both well built and high spec machines and are idea for video processing.

Z200 & Z200

- SD ingest (single source) - assuming a full resolution master and a browse proxy, BLM recommends the Intel® Xeon® Quad-Core Processor X3450 - 2.66 GHz, 8MB cache, 1333 MHz memory.

- HD ingest (single source) - assuming a full resolution master and a browse proxy, BLM recommends the Intel® Xeon® Quad-Core Processor X3470 - 2.93 GHz, 8MB cache, 1333 MHz memory or the Intel® Xeon® Quad-Core Processor X3480 - 3.06 GHz, 8MB cache, 1333 MHz memory.

Current list pricing at HP £800 - £1050

Z400

- SD ingest (single source) - assuming a full resolution master and a browse proxy, BLM recommends the Intel® Xeon® Quad-Core Processor W3520 - 2.66 GHz, 8 MB cache, 1066 MHz memory.

- HD ingest (single source) - assuming a full resolution master and a browse proxy, BLM recommends the Intel® Xeon® Quad-Core Processor W3530 -2.80 GHz, 8 MB cache, 1066 MHz memory) or the Intel® Xeon® Quad-Core Processor W3550 - 3.06 GHz, 8 MB cache, 1066 MHz memory.

Current list pricing at HP £1000 - £1500

Servers

The HP Proliant DL380/5 servers are popular machines but better value may be found in the DL120 G6 or the DL160 G6 ranges, the DL160 provides a little more flexibility. As you would expect the choice of processor(s) is dependent on application – principally the number of simultaneous files to written. Assuming a standard set-up of a master file at full resolution, and a high bit rate together with a low (perhaps ½) resolution browse proxy the following processors are recommended:

DL120

- SD ingest (single source) - assuming a full resolution master and a browse proxy, BLM recommends the Intel® Xeon® processor HP X3450 -2.67GHz, 95W, 8MB, 1333, HT, Turbo.
- HD ingest (single source) - assuming a full resolution master and a browse proxy BLM recommends the Intel® Xeon® processor HP X3470 - 2.93GHz, 95W, 8MB, 1333, HT, Turbo.

Current list pricing at HP £900 - £1400

DL160

- SD ingest (single source) - assuming a full resolution master and a browse proxy BLM recommends the Quad-Core Intel Xeon Processor E5640 -2.66Ghz, 80W. Tests have show that this device has sufficient power to carry out an HD ingest for both the master and browse proxy but a little more headroom is recommended for broadcast critical applications.
- HD ingest (single source) - The Six-Core Intel Xeon Processor L5640 2.26Ghz, 60W provides sufficient CPU headroom to carry out two full HD resolution ingests from the same source.

Current list pricing at HP £1300 - £3200

Capture Cards

The Black Magic Design Deck Link range of capture cards are supported for baseband video capture and replay. Supported devices:

- **DeckLink SDI** for SD or HD SDI (all standards) Embedded Audio.

  Current Price Guide £180

- **DeckLink Studio** for SD or HD SDI (all standards) & Analogue YUV (PAL & NTSC) / Balanced or AES Audio.

  Current Price Guide £450