

High-Resolution, Full-Screen Imaging Display Solution from JVC and Matrox Imaging

for medical display and discussion, teaching and training, industrial and scientific analysis



JVC's new imaging display system allows high-resolution FireWire camera outputs to be displayed or projected full-screen via a new custom solution designed in conjunction with Matrox Imaging

Displaying High-resolution Camera Images

Due to their high-resolution megapixel output, it is not possible to directly connect JVC's FireWire cameras KY-F1030U or KY-F75U into a projector or other VGA display device. Therefore, until now, it has not been possible to display full-screen images directly.

This imaging display solution developed by JVC in conjunction with Matrox Imaging means that, using Matrox's 4Sight-II minicomputer running specially developed software, a lossless digital high-resolution image can be displayed full-screen, without any Microsoft Windows borders or other restrictions on the image display.

Key Benefits

- ***Borderless, full-screen image display to projector, plasma or VGA display***
- ***Displays high-resolution images produced via JVC FireWire cameras***
- ***Integrated Matrox Imaging solution, with VGA / DVI output to projector, plasma or VGA***
- ***Camera control via FireWire***
- ***Image capture capability with network connectivity for network image browsing***

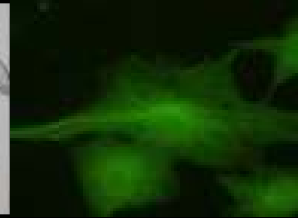
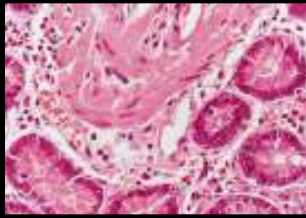
Key solution components



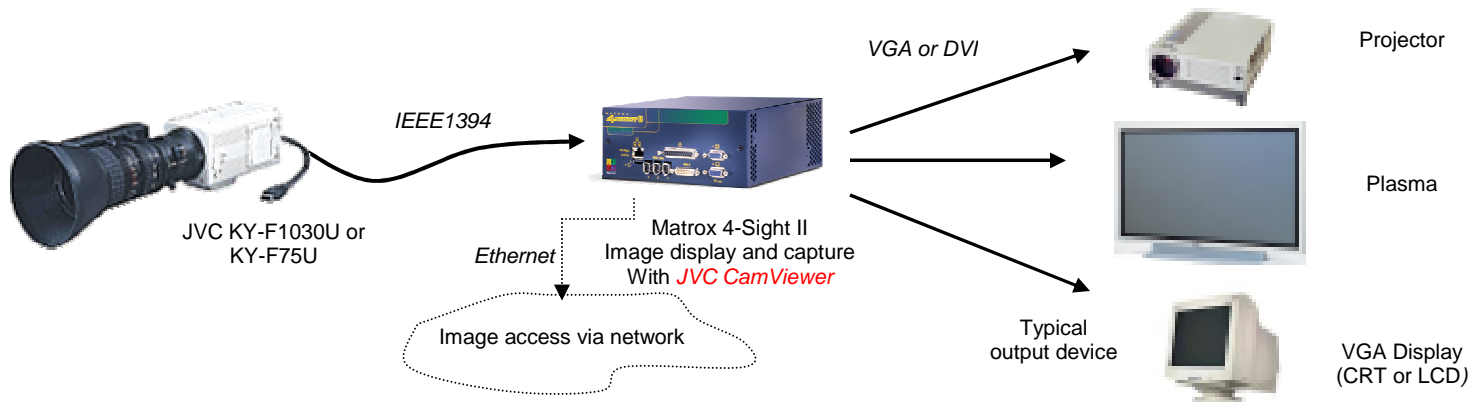
JVC KY-F75U or KY-F1030U High-resolution colour imaging cameras, providing the ultimate in colour imaging capability. With a resolution of 1360 x 1024 pixels, frame rate of 7.5fps and IEEE1394 interface; available either in single-CCD (KY-F1030U) or 3-CCD (KY-F75U) versions

Matrox 4-Sight II Industrial minicomputer The Matrox 4Sight-II is a breakthrough in miniature, robust industrial PC design. Contained within a unit measuring only approx 21x18.5 x 8.5cm, this is a fully-featured PC offering IEEE1394 interfaces and Ethernet connectivity. A key benefit of the Matrox hardware solution is that it is designed for industrial applications, permitting continuous operation, and having a fully protected operating system and application software environment. It's low-profile design means it fits neatly into any laboratory or scientific environment.

The Matrox 4Sight-II unit comes with **JVC CamViewer** software pre-installed. This unique development means that when the camera is connected to the unit, the software losslessly converts the image data signal to allow for display on a standard projector, plasma or VGA display. The live image display can be frozen, and still images can be acquired and saved to hard disk. In addition, control of the camera is available via the FireWire interface.



Typical System Configuration



Ordering Information

KY-F1030U
KY-F75U
KY-MF212C

High resolution single CCD colour imaging camera, 1360 x 1024 output, IEEE1394 interface

High resolution three- CCD colour imaging camera, 1360 x 1024 output, IEEE1394 interface

Matrox 4-Sight II industrial computer, 1.2GHz processor, 256Mb RAM, supplied with **JVC CamViewer** image display software

JVC

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