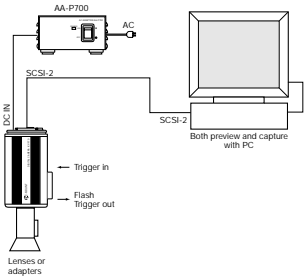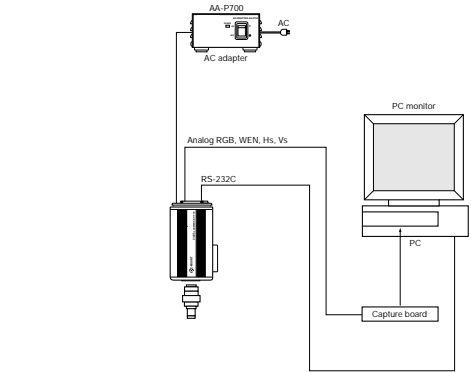# Systems and Specifications

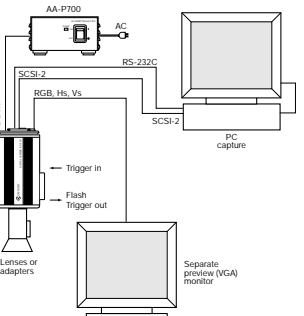## KY-F70BU

Direct PC 'KY-SCSI' Capturing System

Via the SCSI terminal, high resolution SXGA images can be captured directly to a PC.

- The camera can be controlled via the PC. In this system the PC is the SCSI host and the camera is the SCSI peripheral.
- Images captured to a PC may be processed and manipulated in application software JVC 'KY-SCSI' (bundled).
- JVC 'KY-SCSI' provides all control for KY-F70BU.
- The Preview Mode is live color but without full motion.

Direct PC 'TWAIN32' Capturing System

Via the SCSI terminal, high resolution SXGA images can be captured directly to a PC. Separate VGA monitor preview allows selection of the images.

- The camera can be controlled via the PC. In this system the PC is the SCSI host and the camera is the SCSI peripheral.
- Images captured to a PC may be processed and manipulated in application software such as Photoshop®.
- To run this system, the JVC camera remote control software and the TWAIN 32 capture software need to be installed in the PC.
- Live preview available in full motion color via VGA screen.

Direct Digital Connection for Printing or Storage

This system does not require a PC. Live colour preview on the monitor allows selection of the images to be captured to Printer or Zip drive (or MO).

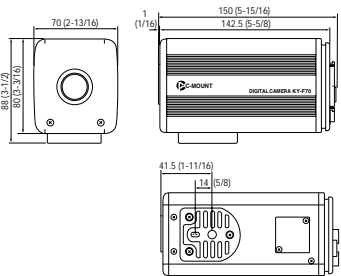### PC System Using Capture Board

Via the 15-pin RGB port, SXGA resolution images may be captured with an appropriate Image Digitising Board. Live color preview is available on the PC screen and captured images can be verified at their full resolution.
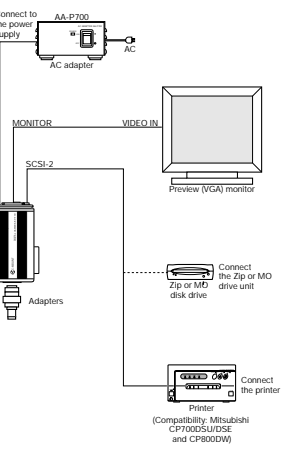
Unit: mm (inches)

Image device	1/2-inch Interline Transfer CCD x 3 in co-site array
Scanning	Progressive
Total pixels	4.35 million (3 x 1.45 million) pixels
Effective pixels for CCD	1.45 million pixels (H: 1,392 x V: 1,040)
Output pixels	1360 x 1024 square pixels
Aspect ratio	4:3
Lens mount	1/2-inch C mount
Output signal (Analog and SCSI)	SXGA 1360 x 1024 pixels 7.5 frames/sec.
Preview Modes (Analog)	VGA: 640 x 480 pixels 60 frames/sec. (Image refresh rate 7.5 frames/sec.) VGA: 640 x 480 pixels 60 frames/sec. (Image refresh rate 30 frames/sec., vertical resolution: 240 lines)
Digital interface	SCSI-2 50P half-pitch SCSI connector
Analog output	R/G/B 0.7 V(p-p) 75 ohms each
Sync output	Hs/Vs 3 V(p-p) (low active)
Image memory	5 frames (4 frames in SXGA analog mode)
Sensitivity	ISO100
Quantisation	10 bit in 8 bit out
White balance	Auto and manual
White paint	Manual, flare compensation, dynamic shading
Gain	ISO100, 200, 400 (0 dB, +6 dB, +12 dB)
Electronic shutter	4 secs to 1/2000th sec (in 16 steps), V.SCAN and EEI
Operating temperature	0°C — 40°C (32°F – 104°F)
Input voltage	DC12V
Power consumption	Approx. 15W
Weight	Approx. 850g (1.9 lbs.)
Dimensions (W x H x D)	70 x 80 x 150mm 2-13/16 x 3-3/16 x 5-15/16 inches
Medical approval	IEC601-1 Conformed with AA-P700EK/EG UL-2601 Approved with AA-P700MDU

All model numbers, specifications and prices are subject to change without notice.

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