

# KY-F550U (NTSC) KY-F550E (PAL)

1/3" 3-CCD video camera with C-mount

**PRELIMINARY**

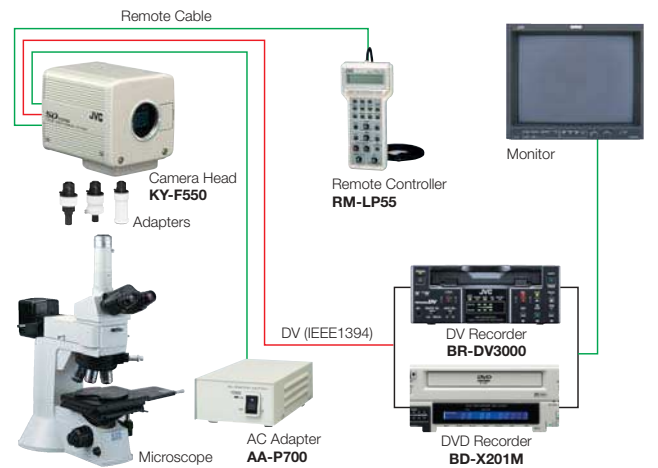


**Multi-role 3-CCD camera with ultra-compact body and 12-bit ADC and 24-bit DSP. A wide range of accessories and adaptors make the camera ideal for medical and scientific use.**

This ultra compact, self-contained 3-CCD camera provides high picture quality, thanks to the newly developed 12-bit ADC and 24-bit DSP. A built-in IEEE1394 DV interface meets industrial requirements by enabling fast transfer of compressed moving or still images to a PC for digital image processing. As the successor to the popular KY-F55B, it retains all the interfaces of its predecessor, including RGB analogue and RS-232 control.

- **1/3" 3-CCD colour accuracy (trichromatic prism)**
- **1/3" C-mount**
- **Latest 12-bit ADC and 24-bit DSP for more than 400% dynamic range and ideal gamma correction**  
*The latest 12-bit ADCs digitally convert the entire dynamic range of each CCD without distortion and with the finest possible steps. Together with a 24-bit, super fast, multi-stream, parallel processing DSP, highlight handling is dramatically improved and gamma correction is close to perfect, approaching the colour reproduction and shadow detail of a full studio camera.*
- **Horizontal resolution of 800 TVL and S/N of 62dB (NTSC) and 60dB (PAL)**
- **F11, 2000 lx sensitivity**
- **Ultra-compact size, all-in-one camera unit (no separate camera control unit required)**
- **Digital Auto Shading Compensation**  
*The Digital Auto Shading Compensation function can automatically compensate for any colour shading errors caused by interaction between the lens and prism assembly in C-mount optical systems.*
- **Analogue RGB, YC, and Composite output**
- **DV (IEEE1394) output for capturing high-quality motion picture**  
*DV interface consists of universal AV/C protocol. This allows high-quality compressed digital motion-picture signal transfer to a computer, another DV recorder or the BD-X200 Professional DVD recorder. In addition, the bundled software allows the DV signal to be viewed via the PC, whilst also offering full access to the main camera control parameters.*
- **JVC protocol (RS-232C, incl. lens controls)**
- **Compatible with JVC KY-F55B series options**
- **Supplied with Software Development Kit (SDK) and system software for capturing still and moving images from the DV output.**

### Remote Camera System



### Designed with Optical Filter Option to Accommodate IR Applications

The IR cut filter which is used in the KY-F550 and both KY-F75 and KY-F70B cameras can be designed to be swapped out, if so required. Easy access means that the original IR cut filter can be easily removed and replaced by JVC's quartz filter option. This permits black & white imaging within the IR band of the spectrum. Thus the cameras can operate in areas of ultra-low illumination.