

1/3" C Mount 3-CCD Color Video Camera

KY-F55BU

- C-Mount lens mount
- Random Trigger for strobe synchronization
- Slow Shutter for ultra low light image capture
- High-Resolution Frame integration Mode
- Variable Speed Electronic Shutter
- Compact and Lightweight
- SMPTE Type Color Bar Generator
- Full-time Auto/Manual White Balance and Two Auto White Memories
- Enhanced Automatic Level Control (ALC) with Extended Electronic Iris (EEI)
- Wide Range of Video Outputs
- Auto Internal Sync/External Sync Switching
- RS-232C Interface Capability
- White Shading Correction



Shown with optional lens

For 9 pin connector configuration and 9 pin Signal cables, see page 44

Image pickup device:	1/3-inch interline CCD x 3 (R, G, B)
Color separation optical system:	1/3-inch F1.4 RGB 3-color separation prism
Number of pixels (effective):	768 (H) x 494 (V)
Genlocking input:	Composite video signal, VBS, BB, 1 V(p-p), 75-ohm (or black burst signal) BNC connector
Color bar generator:	Built-in, SMPTE type
S/N ratio:	750 TV lines (Y channel), 580 TV lines (R, G, B)
Adjustable through remote control unit RM-LP55U Horizontal: dual-edged Vertical: single-edged	
Video signal output:	Composite video signal: VBS 1 V(p-p), 75 ohms R/G/B signals: 0.7 V(p-p), 75 ohms Composite sync signal: 2 V(p-p), 75 ohms
Y/C 358 output:	Y signal: 1 V(p-p), 75 ohms C signal: 0.286 V(p-p), (burst level) 75 ohms
Electronic shutter speed:	1/100, 1/250, 1/500, 1/1000, 1/2000 sec.
Remote input:	compatible with the RM-LP55U convertible to RS-232C with optional VC-P893U/894U
Power requirements:	12 V DC (10.5 to 15 V), 7.5 W (Camera head only)
Operating temperature range:	-5°C to + 40°C (23°F to 104°F)
Weight:	490 g/1.1 lbs. (without lens)

Optional Accessories



HZ-M161U
Nikon microscope adaptor
For use with x2 series microscopes



HZ-M162U
Olympus microscope adaptor
For use with BH2 series microscopes



HZ-M163U
Zeiss microscope adaptor
For use with AX10 series microscopes



VC-P893U
RS-232C Interface cable



VC-P894U
RS-232C Interface cable for Macintosh



T14x5.5MDU
14:1 Motorized zoom lens
• C-mount for 1/3" 3-CCD camera
• Focal length: 35 mm to 80 mm



HZ-610MDU
10:1 Motorized zoom lens
• C-mount for 1/3" 3-CCD camera
• Focal length: 6 mm to 60mm



HZ-G6350U
Variable focal lens
• C-mount for 1/3" 3-CCD camera
• Focal length: 3.5 mm to 8.0 mm



RM-LP55U
Camera remote control unit



AA-P700U
AC power adaptor

specifications and prices are subject to change without notice.