

# 1/3" C Mount 3-CCD Colour Video Camera

## KY-F55BE

44

- C-Mount compatibility
- Random Trigger for strobe synchronisation
- Slow Shutter for low light image capture
- High-resolution Frame Integration Mode
- Variable speed electronic shutter
- Compact and lightweight
- EBU type colour 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
- Flexible camera mountings
- RS-232C interface capability
- White shading correction



Shown with optional lens (HZ-610MDU)



For 9-pin signal cables  
See page 46

Image pickup device:	1/3-inch interline CCD x 3 (RGB)
Colour separation optical system:	1/3-inch F1.4 RGB 3-colour separation prism
Number of pixels (effective):	440,000 pixels
Colour system:	Wideband R-Y, B-Y encoder
Synchronizing system:	Internal/External
Genlocking input:	Composite video signal, VBS, BB, 1 V(p-p), 75-ohms (or black burst signal) BNC connector
Colour bar generator :	Built in, EBU type
Lens mount:	C-mount
Sensitivity:	F5.6, 2000 lux
Sensitivity selection:	(Through remote control): 0 dB/6 dB/9 dB/12 dB/18 dB/ALC + EEI (Through camera); 0 dB/ALC/EEI/ALC + EEI
S/N ratio:	58 dB (typical)
Registration:	0.05% (excluding lens characteristics)
Horizontal resolution:	750 TV lines (Y channel) 580 TV lines (RGB)
Contour correction:	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 443 output:	Y signal: 1 V(p-p), 75 ohms C signal: 0.3 V(p-p), (burst level) 75 ohms
Electronic shutter speed:	1/100, 1/250, 1/500, 1/1000, 1/2000 sec.
Variable scan:	1/60.3 to 1/2074.6
Trigger connector:	5-pin, 5 V(p-p)
Lens pin connector:	8-pin, applicable to the HZ-610MDU, HZ-G6350U, T14 x 5.5 MDU
Remote input:	compatible with the RM-LP55U convertible to RS-232C with optional VC-P893U/894U
Power source:	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



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



**T14 x 5.5MDU**  
14:1 Motorized Zoom Lens



**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-P700E**  
AC Power Adaptor



**RM-LP57U**  
Camera Remote Control Unit (rack mount type)