

COMPUTER IMAGING (CI) COLOUR CAMERAS

1.5

1/3-inch 3-CCD High Resolution Video Camera

KY-F55BE



KY-F55BE

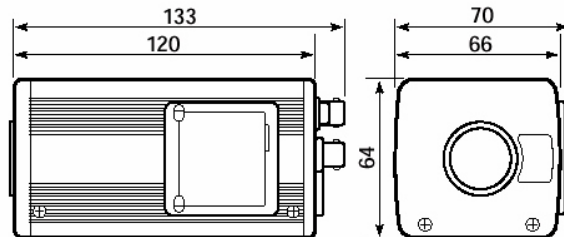
- C-Mount compatibility
- Random Trigger for strobe synchronisation
- Slow Shutter for low light image capture
- High-resolution Frame Integration Mode
- Variable speed electronic shutter
- Compact and lightweight
- EBU type colour bar generator
- Full-time Auto/Manual White Balance and Two Auto White memories
- Enhanced Automatic Level Control (ALC) with Extended Electronic Iris (EEI)
- White shading correction
- Wide range of video outputs
- Auto Internal Sync/External Sync switching
- Flexible camera mountings
- RS-232C interface capability
- Optional microscope adapters
 - RS-232C cable
 - VC-P893U for PC
 - VC-P894U for Mac
 - AC-Power adapter
 - AA-P700E
 - RGB monitor and graphic board cables
 - Microscope adapters



HZ-G6350
Variable focal
lens



T14x5.5MDU
14:1 Motorised
zoom lens





COLOUR, CI, DOME CAMERAS

Specifications

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	KY-F55BE	KY-F58E
Signal System	Based on PAL standard	←
Image device	1/3 inch interline transfer CCD x3	←
Optical system	1/3 inch F1.4 RGB 3-colour separation prism	←
Effective Picture elements	440,000 (752 x 582)	←
Video process circuit	Analogue	←
Colour system	Wide-band R-Y, B-Y encoder	←
Sync system / input	Internal / External	Internal / external
Genlock input	VBS, BB, 1V(p-p), 75 ohms (or black burst signal) BNC connector	VBS with colour lock(BNC) or HD/VDV without colour lock (BNC)
Scanning frequency (normal)	H:15.625 kHz, V: 50Hz	←
Video output	Composite: VBS 1.0V(p-p), 75 ohms Y/C 443: (on D-sub) Y signal: 1 V(p-p), 75 ohms C signal: 0.3 V(p-p),(burst level) 75 ohms RGB signals: 0.7V(p-p), 75 ohms Composite sync signal: 2 V(p-p), 75 ohms	Composite: VBS 1.0V(p-p), 75 ohms Monitor: VBS 1.0V(p-p), 75 ohms Y/C 443: (on 4 pin Din) Y signal: 1 V(p-p), 75 ohms C signal: 0.3 V(p-p), burst level) 75 ohms RGB signals: 0.7V(p-p), 75 ohms D-sub 9-pin Component: D-sub 9-pin Y: 1V(p-p), 75 ohms R-Y/B-Y: 0.525 V(p-p) 75 ohms Composite sync signal: 2 V(p-p), 75 ohms
Colour bar generator	EBU type	←
Video S/N	58 dB	←
Registration	0.05% (typical)	←
Horizontal resolution	750 TV lines(Y channel), 580 TV lines R,G,B	700 TV lines (Y channel)
Sensitivity	F5.6, 2000 lux	←
Gain	By remote: 0,+6,+9,+12,+18 dB/ ALC+EEI By camera: 0/ALC, EEI, ALC+EEI	0, to +18 dB EEI
Minimum required illumination	15 lux, 0.03 lux (slow shutter)	16 lux, 0.04 lux (slow shutter)
Electronic Shutter	Normal 1/50, 1/120, 1/250, 1/500, 1/ 1000, 1/2000 sec, Variable scan	←
EEI (Extended electronic Iris = automatic electronic shutter)	Yes	←
Variable scan	1/60.3 to 1/2074.6	←
Slow shutter	Yes	Yes
Random External Trigger:	5-pin, 5 V(p-p)	Strobe(BNC), WEN: write enable (BNC), Freeze (BNC)
Detail correction	Horizontal: dual edged Vertical: single edged (adjustable through RM-LP55U)	Horizontal: dual edged Vertical: single edged
Lens connection / Auto Iris output	8 pin, applicable to HZ-610MDU, HZ-G6350U, T14x 5.5MDU	←
White balance	Full time auto / manual / 2 white memories	←
Iris sensitivity area	Selectable	←
Full ALC (automatic level control)	0 to 18 dB, + EEI	0 - 18 dB, + Auto lrs, + EEI
Scene file	-na	4 memories, 16 parameters
Setup menu	-na	On screen (monitor output) with control on CCU, video level, white balance, Freeze, Process, total settings
Remote control input / RS-232C	Din compatible with RM-LP55U, RS232C with optional cable VC-P893U(PC), VC-P894U(Mac)	RS-232C D-sub 9p
Lens mount	C mount	C mount (FB 17.526 mm)
Power supply requirement	12V DC (10.5V to 15V)	230V AC
Power consumption	7.5 W (camera head only)	22W
Operating temperature range	-10 to 40 deg C	-10 to 50 deg C
Dimensions	70 x 64 x 120 mm (WxHxD)	Camera head: 45x48x62 mm (WxHxD) CCU: 210x88x221mm
Weight	490 g (without lens)	Camera head: 170g CCU: 2.7 kg
Camera Cable length	Not specified	Up to 25 meters 5 M cable (standard): VC-P805U 10M cable (optional): VC-P810U