

1/3" 3-CCD Separate Camera Head System

KY-F58E

- 3-CCD RGB prism block, each CCD with 440,000 effective pixels, provides high resolution images
- High sensitivity means that images can be captured over a wide range of lighting conditions
- Complementing the Auto White-Balance function is intelligent Auto Iris which makes the KY-F58 particularly well-suited to microscopy and other applications which may have irregular reflections
- The CCU features an RGB image memory and framestore which allows capture of a high quality still image
- The KY-F58 has instant connectivity to a wide range of existing optical equipment thanks to its C-mount being a universal standard for lens to camera coupling. The camera head also includes connection for motorized lens control
- An RS-232C port is provided for direct connection to a PC, providing additional remote serial digital control
- The KY-F58 comes standard with a 5-meter umbilical cord between head and CCU. This may be extended to 25 meters
- Memory for up to 16 operator settings (scene files)
- Built-in key functions: Shutter iris/Full-time auto white/Freeze function/Random trigger function/Long time exposure function
- Optional SA-K58SU internal SCSI capture board also available



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Image pickup device:	1/3" Interline Transfer CCDs
Picture elements:	(H) 768 x (V) 494
Optical system:	1/3" F1.4 RGB prism
Colour system:	Wideband R-Y, B-Y encoder
Synchronization:	Internal/external (VS; HD, VD)
Lens mount:	C-mount (FB: 17.526 mm)
Colour bar:	EBU type
Sensitivity:	F5.6/2000 lux
Horizontal resolution:	700 TV lines
Signal to noise ratio:	58 dB
Minimum illumination:	15 lux
Gain:	0 - 18 dB
Electronic shutter speed:	1/50, 1/120, 1/250, 1/500, 1/1000, 1/2000 variable scan
Iris area:	Selectable
Scene file:	16 types, max.
Strobe connector:	BNC
RS-232C control:	D-sub 9-pin
Video signal output:	Composite, Y/C, RGB, Component
Power source:	230 V AC
Power consumption:	22 W
Dimensions (WxHxD):	Camera head: 45 x 48 x 62 mm CCU: 210 x 88 x 221 mm
Weight:	Camera head: 180 g (0.4 lbs.) CCU: 3 kg (6.7 lbs.)
Max. cable length:	25 m (5 m cable provided:VC-P805U)
Camera cable options:	VC-805U (5m), VC-810U (10 m)

Optional Accessories



HZ-M161
Nikon Microscope Adaptor
For use with x2 series microscopes



HZ-M162
Olympus Microscope Adaptor
For use with BH2 series microscopes



HZ-M163
Zeiss Microscope Adaptor
For use with AX10 series microscopes



HZ-G6350
Variable Focal Lens
• C-mount for 1/3" 3-CCD camera
• Focal length: 35 mm to 8.0 mm



VC-451-2U
D-sub 9-pin RGB Cable (2 m)



T14X5.5MDU
14:1 Motorized Zoom Lens