1/3" 3-CCD Separate Camera Head

KY-F58U

- 3-CCD RGB prism block with more than 1.3 million 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-F58U particularly well-suited to microscopy and other applications which may have irregular reflections
- The CCU features an RGB image memory and framestore for internal capture and review of a single high quality still image. Optional SAS-K58SU internal SCSI capture board also available.
- The KY-F58U 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-F58U comes standard with a 16.4 feet (5 m) umbilical cord between head and CCU. This may be extended to 82 feet (25 m)
- 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 Accessories

HZ-M161
Nikon microscope adaptor
For use with ×2 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: 35mm to 80mm

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

T14X5.5MD
14:1 motorized zoom lens

Image pickup device: 1/3" Interline Transfer CCDs
Picture elements: (H) 768 x (V) 494
Optical system: 1/3" F1.4 RGB prism
Color system: Wideband R-Y, B-Y encoder
Synchronization: Internal/external (VS; HD, VD)
Lens mount: C-mount (FB: 17.526 mm)
Color bar: SMPTE type
Sensitivity: F5.6/2000 lux
Horizontal resolution: 700 TV lines
Signal to noise ratio: 60 dB
Minimum illumination: 15 lux
Gain: 0 - 18 dB
Electronic shutter speed: 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000 variable scan
Iris area: Variable
Scene file: 16 types, max.
Strobe connector: Slave/through
RS-232C control: D-sub 9-pin
Video signal output: Composite, Y/C, RGB, Component
Power requirements: 120 V AC
Power consumption: 22 W
Dimensions (WxHxD): Camera head: 45 x 48 x 62 mm (1-13/16" x 1-15/16" x 2-1/2")
CCU: 210 x 88 x 221 mm (8-5/16" x 3-1/2" x 8-3/4")
Weight: Camera head: 180 g (0.4 lbs.)
CCU: 3 kg (6.7 lbs.)
Included accessories: Camera mounting bracket, AC cable
Camera cable options: VC-P805U 16.4 ft/15 m (provided)
VC-P810U 32.8 ft/10 m

All model numbers, specifications and prices are subject to change without notice.