

1/3" 3-CCD Separate Camera Head System



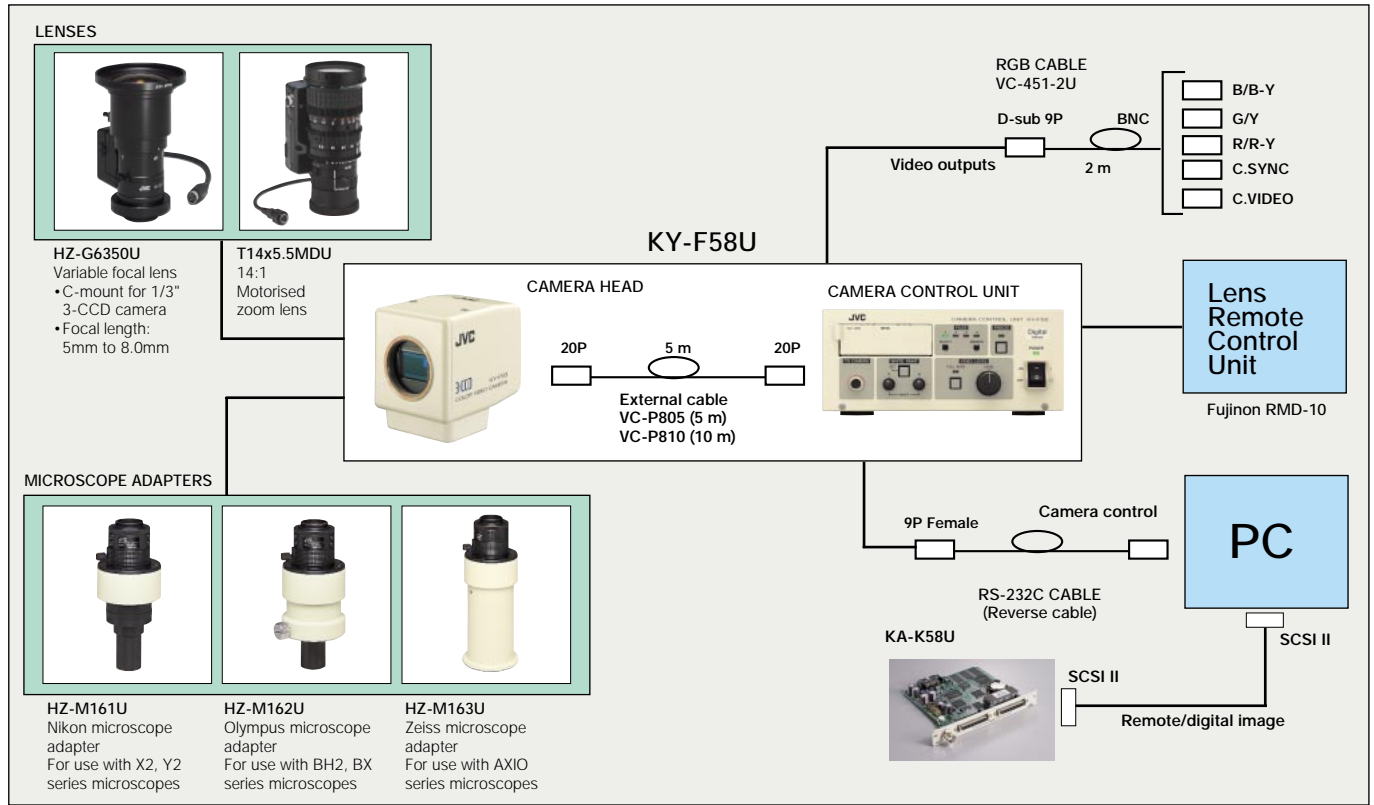
FEATURES

- Small Camera Head
- High-Performance 3CCD
- C-Mount Compatibility
- Lens Control Terminal
- Full Auto Video Level Function
- Long Umbilical Cable (Max. 82 ft./25 m) option
- Set-up Menu
- Scene File Function (4 x 4 for 16 scenes)
- Digital RGB Frame Memory
- Random Trigger Function
- Slow Shutter Function for High Sensitivity
- Flash Sync (Flash Mode)
- Field Mode & Frame Mode Switchable
- RS-232C Camera Control Port

ARCHITECTS' AND ENGINEERS' BID SPECIFICATION

The industrial standard C-mount 1/3" 3-CCD color cameras with separated head and control unit shall be a JVC KY-F58U or equivalent. The camera shall incorporate three 1/3" interline-transfer CCD pickup device with 380,000 (768 (H) x 494 (V)) effective pixels for separated R,G,B, and built-in F1.4 optical prism for accurate color separation with no optical distortions. The camera's standard umbilical cable length shall be 16.4 ft between camera's head to control unit and can be extended to 82ft for flexible installation with no loss of picture quality. The scanning system shall be 2:1 interlaced. The camera shall produce a horizontal resolution of 700 TV lines and a signal to noise ratio of 60dB for sharp, accurate and noise free picture. The camera shall feature selectable gain levels from 0 dB to 18 dB to provide clear images in various light conditions. The camera shall deliver a sharp color picture sensitivity of F5.6 at 2000 Lux or a scene illumination of 15 Lux at F1.4 with 100% of video level or 0.03Lux with slow shutter mode. The camera shall have user-friendly controls on front panel for Manual white balance, Auto and Manual video level control, Freeze button and selectable memory files. Also, The camera shall have user-friendly on-screen set up for adjustment of video level, white balance, Freeze, process, total setting. The camera synchronization shall be internal or external by Composite video or Black Burst signal. The camera will feature Automatic Electronic Shutter (AES) which is equivalent to continuous variable shutter speed between 1/60 to 1/2000 second or allows for the use of manual mode and slow shutter mode. The camera will feature Variable Scan mode between 1/60.3 to 1/2074.6, Field/Frame integration mode, and digital frame memory. The camera shall feature of Random Trigger, Flash Sync, WEN, Freeze, H/V sync inputs. The camera output signal shall be composite signal by BNC connector, Y/C signal by 4-pin din connector, RGB, and Component by 9-pin D-sub connector. The camera shall feature RS-232 remote controls full function for camera and optional SCSI capture card for captures 1280 x 960 or 640 x 480 digital images and transfer through SCSI-2 connection to PC. Power source shall be AC 120V 50/60Hz with detachable 3-prong AC cord. The camera head unit's dimensions shall not exceed 1-5/16" H (without base) x 1-11/16" W x 2-11/16" D and control unit's dimension shall not be exceed 3-11/16" H x 8-1/4" W x 9-11/16" D. The unit shall be UL listed.

System



Specifications

Image device	1/3-inch, interline-transfer CCD x 3
Effective picture element	768 (H) x 494 (V) 380,000 pixels
Color separation system	F1.4 prism
Lens mount	C mount (FB 17.526 mm)
Signal system	NTSC
External sync system	VBS (with color lock) HD/VD (without color lock)
Contour correction system	H-both effective, V-signal effective
Standard cable length	16.4 ft. (5 m)
Max. Cable length	82 ft. (25 m) (operation only guaranteed)
Registration	0.05% (except lens)
Sensitivity	F5.6, 2000 lx, 100%
Minimum required illumination	15 lx (calculated value 100%), 0.03 lx (slowest shutter speed)
Gain	0 - 18 dB
Electronic shutter	1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, variable scan
Iris area	Selectable
Scene file	16 types, max.
S/N ratio	60 dB (TYP)
Video signal output	Composite, Y/C, RGB, Component
Horizontal resolution	700 TVL
Power supply	AC 120V, 50/60Hz
Weight	Camera head 0.38 lbs. (170 g), CCU 5.96 lbs. (2.7 kg)
Accessories	Camera mounting bracket x 1 Camera cable (16.4 ft./5 m) x 1 AC cable (6.6 ft./2 m) x 1
Optional accessories	Cables: VC-P805U (16.4 ft./5 m) VC-P810U (32.8 ft./10m) Lenses, adapters

Dimensions

Unit: inches (mm)

