

# JVC<sup>®</sup>

## PROFESSIONAL

# KY-27BU

## 3-CCD COLOR VIDEO CAMERA

### *New Product News*



**LOLUX**

### **New Low Light Process Technology Gives Superb Images at Just 1.5 Lux**

JVC's KY-27BU employs revolutionary CCD signal process technology, in a professional camera using three 2/3-inch IT CCDs with Micro Lens Technology. The result is incredible sensitivity; only 1.5 lux is

required in LOLUX mode, super high resolution of 750 lines, 62 dB S/N ratio and negligible vertical smear when shooting highlights.

#### **Features**

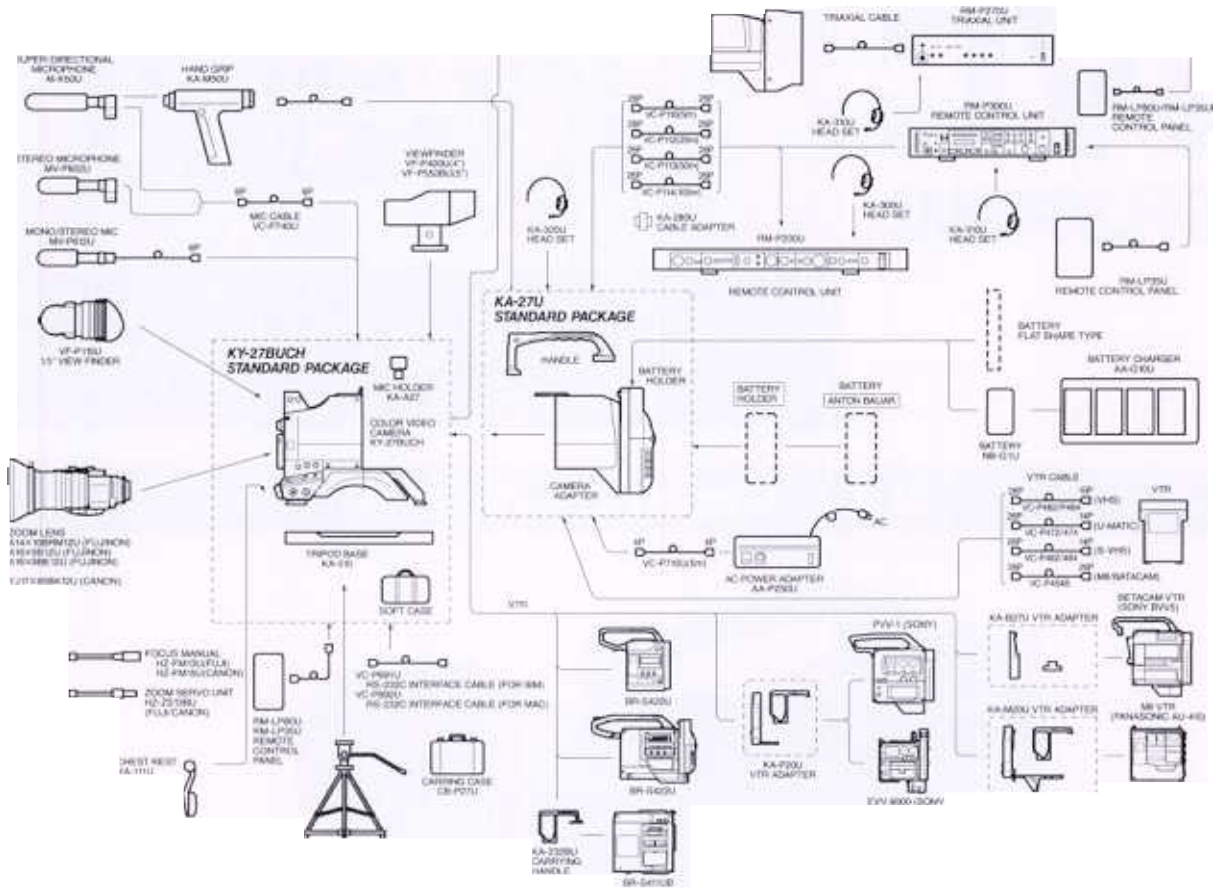
- New 360,000 pixel Broadcast 2/3-inch CCDs deliver 750 lines of horizontal resolution for natural, sharp pictures.
- Interline Transfer CCDs with Micro Lens Technology provides:
  - \* High sensitivity of F9 at 2000 lux
  - \* Negligible vertical smear when shooting highlights
- High S/N ratio of 62 dB for quiet pictures.
- New CCD signal process technology in LOLUX mode requires only 1.5 lux for shooting in almost total darkness.
- Full Auto Shooting with manual override provides AUTO IRIS with MUTIZONE IRIS WEIGHTING, ENHANCED VARIABLE GAIN (ALC: AUTOMATIC LEVEL CONTROL), VARIABLE

SHUTTER (EEI: EXTENDED ELECTRONIC IRIS), and FULL TIME AUTO WHITE.

- Universal dockability — dockable directly with Professional S-VHS, and adapters allow docking with MII, Hi8, Professional Betacam<sup>®</sup> and Broadcast Betacam<sup>®</sup>
- The KY-27BU features a newly-developed color matrix circuit to assure accurate color reproduction.
- Remote control of black paint
- Advanced triaxial control system allows operation up to 5,000 ft from base station.

\*BETACAM<sup>®</sup> is a registered trademark of Sony Corporation.

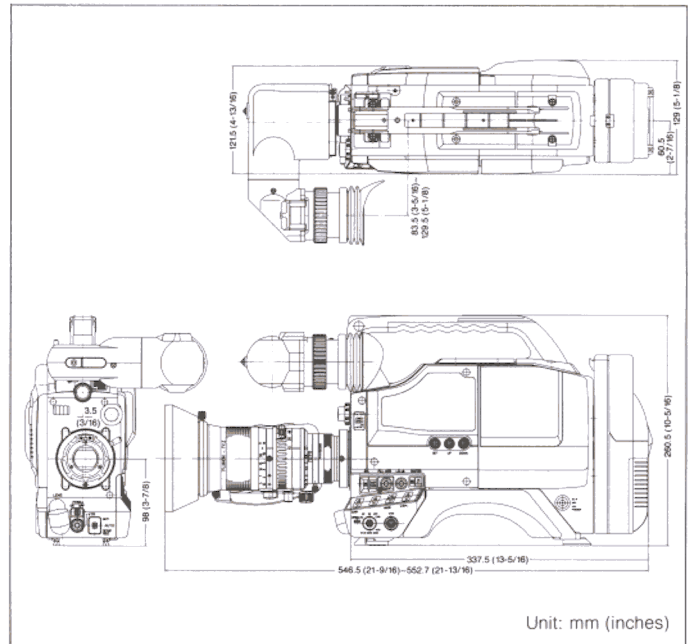
# System Configuration



## Specifications

Optical system	2/3" F1.4 RGB prism system
Pickup device	2/3" IT-transfer CCD, 3 chips
Video systems	120 (1) 2 750 (1)
Encoder	NTSC (Wide-band R-Y/B-Y system)
Synchronizing system	Internal: Built-in RS-170A SSG External: VBS or BB
Lens mount	2/3" Bayonet
Optical filter	3200K, 5600K, 5600K + 1/16 ND, 4-Point Star Effect 3200K
Sensitivity	F9.0, 2000 Lux, 0dB gain
Minimum required illumination	1.5 Lux (F1.4 with LOLUX mode)
Sensitivity selection	0dB, 6dB, 9dB/0dB, 9dB, 18dB/0dB, 6dB, 12dB/0dB, 6dB, ALC/0dB, ALC, 18dB selectable
S/N ratio (Typical)	62dB (4.2 MHz bandwidth) Gamma = 1, Contour correction: Off
Horizontal resolution	750 lines (Y signal)
Registration	0.05% (without lens distortion)
Contour correction	Horizontal: Dual-edged Vertical: Dual-edged
Electronic shutter	Normal (1/60), 1/100, 1/250, 1/500, 1/1000, 1/2000sec. and variable shutter in ALC
Variable scan	1/60.2 ~ 1/1966.7 (254 steps)
Color bars generator	Built-in SMPTE-type color bars
Power requirement	DC 12V (10.5 ~ 18V)
Power consumption	12.6W (Camera head + Camera adapter + Viewfinder under operational mode conditions)
Ambient operating temperature	-10°C ~ +45°C (14°F ~ 113°F)
Weight	2.65kg (5.9 lbs) (Camera head + viewfinder) 3.8kg (8.4 lbs) (Camera head + Camera adapter + Viewfinder)

## Dimensions



Design and specifications subject to change without notice.

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