

JVC[®]

PROFESSIONAL

KY-27U

3-CCD COLOR VIDEO CAMERA

New Product News



New Low Light Process Technology Puts the JVC KY-27U Top of its Class

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

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

Features

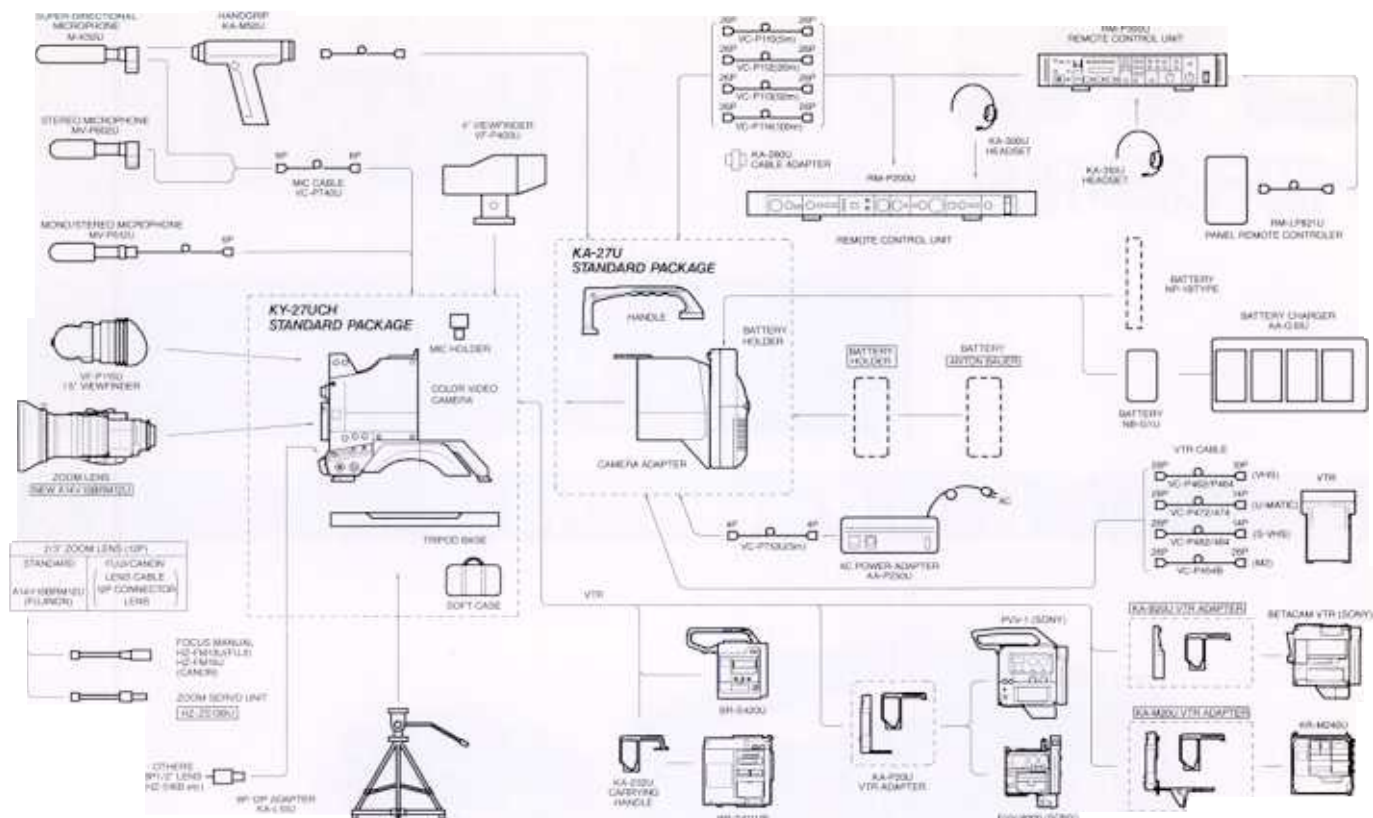
- New 360,000 pixel Broadcast 2/3-inch CCDs deliver 750 lines of horizontal resolution for natural, sharp pictures.
- Interline Transfer CCDs with Micro Lens Technology provide:
 - High sensitivity of F8 at 2000 Lux
 - Negligible vertical smear when shooting highlights
- High S/N ratio of 62 dB for quiet pictures.
- New CCD signal process technology in LOLUX mode requires only 2 lux for shooting in almost total darkness.
- Full Auto Shooting with manual override provides AUTO IRIS with MULTIZONE IRIS WEIGHTING, ENHANCED VARIABLE

GAIN (ALC: AUTOMATIC LEVEL CONTROL), VARIABLE SHUTTER (EEL: 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[®] and Broadcast Betacam[®].
- Variable Scan for shooting flicker-free computer displays.
- Professional vertical plug-in PC boards with all potentiometers on the edge for easy serviceability.

*BETACAM[®] is a registered trademark of Sony Corporation.

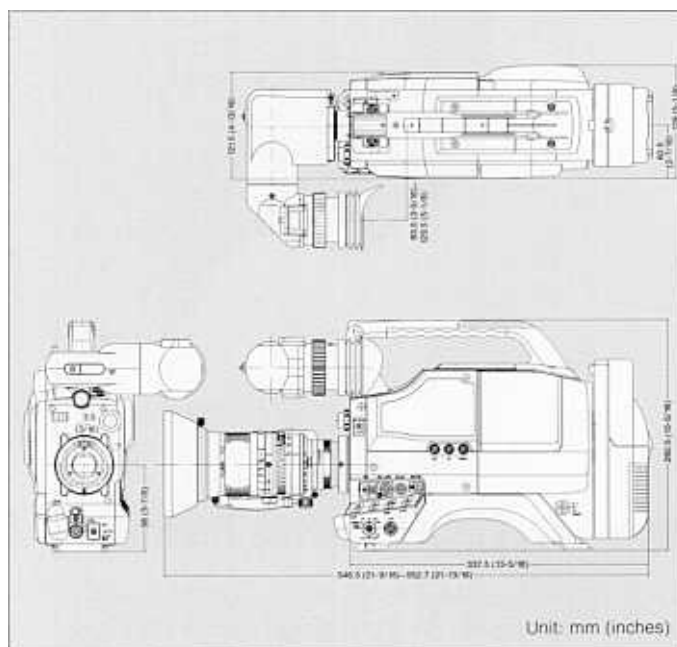
System Configuration



Specifications (Preliminary)

| | |
|-------------------------------|---|
| Optical system | Three CCD prism system, F1.4 |
| Pickup device | 2/3" IT CCD × 3 |
| Picture elements | 728 (H) × 493 (V) |
| 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, EFFECT (Cross Filter) |
| Sensitivity | F8.0, 2000 Lux |
| Minimum required illumination | 2 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 at center) |
| Registration | 0.05% (Entire picture, excluding 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 EEI mode available |
| Variable scan | 1/60.2 ~ 1/1966.7 (256 steps) |
| Color bars generator | Built-in SMPTE-type color bars |
| Power requirement | DC 12V (10.5 ~ 15V) |
| Power consumption | 12.6W (Camera head + Camera adapter + Viewfinder under operational mode conditions) |
| Ambient operating temperature | -5°C ~ +45°C (23°F ~ 113°F) |
| Weight | 2.0kg (4.4 lbs) (Camera head) 3.8kg (8.4 lbs) (Camera head + Camera adapter + Viewfinder) |

Dimensions



Design and specifications subject to change without notice.

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