

1/3" CCD B/W Video Camera



FEATURES

- With a high-sensitivity of 0.095 lx, the TK-S241U delivers high picture quality under even the poorest light conditions.
- Horizontal dual-edge detail correction ensures high-quality, distortion-free pictures under all shooting conditions.
- The camera accepts 24V AC or 12V DC for easy installation in various systems.
- Simply flip a switch to select internal, external or power synchronization (requires 60Hz AC power). This makes system integration even easier.
- The electronic shutter speed of 1/100 prevents flicker from fluorescent lights.
- The automatic electronic shutter continuously adjusts the shutter speed to give the correct exposure even when a manual iris or a lens without an iris is used.
- Built-in back-light compensation function improves image quality when shooting back-lit subject.
- Either CS-mount or C-mount lens can be attached to the camera with the lens mount change function.

ARCHITECTS' AND ENGINEERS' BID SPECIFICATION

The black-and-white camera shall be a JVC TK-S241U or equivalent. It shall incorporate a 1/3" CCD interline transfer pickup device with 250,000 [512(H) x 492(V)] pixels. The camera shall produce a horizontal resolution of 380 lines and a signal/noise ratio of 50dB. The camera shall feature an Automatic Gain Control (AGC) circuit to provide clear images in low light conditions. The camera shall deliver a usable black-and-white picture at a scene illumination of 0.095 lx at f/1.4. The unit shall have modes for back light compensation or normal lighting. The camera synchronization shall be via VD2 (vertical drive) lock over a single coaxial cable provided by the Matrix System 500, 850 and Multiplexer System 400 or data multiplex unit WJ-MP404, as manufactured by JVC. VD2 lock provides roll-free picture during systems operation switching. The scanning system shall be 2:1 interlaced. Power source shall be 24VAC. The camera's dimensions shall not exceed 2-11/16" H x 2-13/16" W x 5" D. The unit shall be UL listed.

Specifications

Image sensor	Interline-Transfer CCD
Number of effective pixels	250,000 (512 H x 492 V)
Pickup device	1/3" CCD
Sync system	External/internal, and power synchronization (60 Hz regions only)
Scanning frequency	(H) 15.734 kHz (V) 59.94 Hz
Horizontal resolution	380 TV lines
Video S/N ratio	50 dB
Minimum required illumination	0.095 lx (f1.2)
Lens mount	C/CS mount
Power requirement	AC 24 V (50/60Hz), DC 12 V
Power consumption	3.5 W (AC 24 W), 190 mA
Operating temperature range	14°F to 122°F (-10°C to 50°C)
Recommended temperature range:	32°F to 104°F (0°C to 40°C)
Weight	1.31 lbs. (510g)

Dimensions

