

Twin CCD Color/Infrared Video Camera

TK-N1100U

132

- JVC's revolutionary Self-Selecting Color or IR system features interline-transfer system 1/3" color CCD image sensors, delivering 470 lines of horizontal resolution with a low light sensitivity of 2 lux. The IR mode is automatically triggered when the video signal drops to a pre-determined level, thus providing crisp black and white images down to zero lux illuminance under infrared illumination, invisible to human eye. A LED indicator lights automatically when the black and white mode is set.
- The built-in electronic shutter offers a choice of nine shutter speeds from 1/60 to 1/10,000 second, with either automatic or manual setting.
- The TK-N1100U has an advanced automatic gain control (AGC) function that automatically increases the camera's sensitivity when ambient light drops below a preset level.
- TTL auto tracking white balance adjustment accurately matches white balance with shooting conditions. A manual override brings additional flexibility (2 axes; G-Mg and R-B).
- External sync input (composite or black burst) for genlock operation is available via a BNC connector. The camera automatically switches to external sync when the reference signal is applied.
- Removable Infrared Illuminator included
- Two way power supply: 24 V AC/12 V DC



Shown with optional lens and included Illuminator

Image device	1/3" interline transfer (IT) CCD
Picture elements	380K (768 (H) x 494 (V))
Video process circuit	analog
Sync system	Internal, external, line lock (60 Hz only)
Sync input	BB or VBS
Video output	VBS
Signal to noise ratio	50 dB
Horizontal resolution	470 TV lines
Minimum required illumination	2 lux (F1.2, AGC switch set to "ON", in color mode), 0 lux (infrared illumination switch "ON" in black/white mode)
Electronic shutter	Normal, 1/100, 1/250, 1/1000, 1/2000, 1/4000, 1/10,000 second, automatic electronic shutter
Automatic electronic shutter(AES)	1/60 to 1/10,000 sec.
Slow shutter	na
White balance	3 dimensional detection Auto Tracking White (ATW), manual, Biaxial G-Mg, R-B)
Back light compensation (BLC)	na
Limit of infrared illumination	3 m (9.8 ft) (F1.2, in black/white mode)
Infrared illumination	Lighting in the black/white mode (when set to AUTO)

Lens mount	C mount (thread depth limited to 5.55 mm max.)
Automatic gain control (AGC)	On/off
Setup menu	na
Remote control input	na
Power requirements	DC 12 V± 10% or AC 24 V± 10%, 60 Hz
Power consumption	13 W (with infrared illumination on), 7.5 W (with infrared illumination off)
Operating temperature	-10 to 50°C (14 to 122°F)
Weight	700 g (1.6 lbs.)
Dimensions	70 (W) x 102 (H) x 183 (D) mm (2-13/16" x 4-1/16" x 7-1/4")

Optional Accessory

AA-P700U AC adapter

