

JVC[®]

PROFESSIONAL

GY-X2U

3-CCD S-VHS CAMCORDER

New Product News



- Three 1/2" IT CCDs with micro lenses
- Incredible low light capability, 3 lux minimum
- 650 TV line horizontal resolution (camera portion)
- Lightweight ergonomic design (less than 15.5 lbs)
- 2 hour recording time with ST-120 cassette
- Low power consumption
- Plug-in VITC/LTC time code generator (option)
- Quick start recording

JVC's GY-X2U (X2) is the world's first S-VHS 3-chip full size integrated camcorder. By combining an exceptional low light professional camera with a tiny 2 hour S-VHS recorder, JVC has achieved the ultimate in lightweight maneuverability, while retaining the quality and convenience of S-VHS. Unlike other systems which dock separate camera and VCR components, the X2 is ergonomically designed as a single unit, providing a better, more unified *feel*. You'll love putting the X2 on your shoulder. And, most importantly, you'll be astounded at the image quality produced by the X2. All the benefits of S-VHS recording and the latest 3-chip camera technology in a single package!

JVC's S-VHS format is rapidly becoming the format of choice for the 1990's. With over 400 lines of horizontal resolution and excellent multi-generational editing capability, video professionals have chosen it as the most cost effective replacement for the aging 3/4-inch U-format. With S-VHS, you can be assured of high quality video and audio—starting with your field acquisition and continuing through the editing process. There's no need to switch to another format for editing or to accomplish special effects such as variable slow motion. You can do it all in "S." JVC offers a wide variety of cameras, portable recorders, monitors, editors and special effects generators for the S-VHS format. The GY-X2U is the latest in a complete line-up of S-VHS system components for the professional videographer.

CAMERA PORTION

New LoLux technology

They said it wasn't possible! Getting the low light performance usually associated with surveillance cameras out of a 3-chip professional camera wasn't easy. But JVC engineers are known for technological breakthroughs and the X2 was the perfect challenge. The result was a new innovation called LoLux. By combining an extremely quiet 24dB gain with a unique pixel read-out system and signal processing, JVC has achieved an effective gain of 30dB without the noise usually associated with this much amplification. It is possible to obtain usable pictures in as little as 3 lux of light. The X2 can actually see better in the dark than you can!

Three 1/2" CCDs

The X2 employs 1/2-inch interline transfer CCD elements, each with 330,000 effective pixels. Each element is equipped with a light-amplifying micro lens for a sensitivity of f7.0 at 2000 lux. By using a high quality glass prism beam splitter with spatial offset, a horizontal resolution of more than 650 TV lines is achieved in the camera portion.

Automatic shooting

With a vast array of automatic functions, the X2 can produce excellent results in nearly any shooting environment. Its advanced automatic white balance has 2 digital memories. When there's no time to set the white balance, full-time auto white tracking can determine the correct setting automatically. Automatic Light Control (ALC) is facilitated with an Extended Electronic Iris that lets you maintain a constant video level in varying lighting conditions from bright sunshine to dark hallways, without switching gain or inserting an ND filter. Full time auto and ALC can be achieved when the **quick recording** switch is depressed. An advanced automatic lens iris circuit uses a multizone detection area for the most natural pictures.

Wide variety of lens options

The GY-X2U uses an industry standard bayonet 1/2-inch lens mount with 12-pin connector. Choose from a variety of lenses from Canon and Fujinon. Rear mount studio controls are also available.

VCR PORTION

New full size mechanism

JVC has reduced the size and weight of its S-VHS mechanism without sacrificing an ounce of quality. The entire camcorder weighs less than 15.5 pounds including lens, battery and cassette! The full size (52mm) head drum record assures stable, clean recordings of over 400 lines of horizontal resolution. To make sure you don't miss any of the action, the X2 features a Quick Start mechanism that begins recording 0.5 seconds after pressing the trigger.

Low power consumption

Through intelligent integration, JVC has reduced the power consumption to under 22 watts, permitting 1 hour recording time on a single NB-G1U battery pack. In addition to the JVC NB-G1U battery, the X2 also accepts the Sony NP-1B battery. The optional AA-G10U AC adapter/charger can recharge up to four NB-G1U batteries simultaneously.

4 Audio Channels

The X2 features JVC's extraordinary Hi-Fi VHS sound system. Using 2 separate rotary FM-audio heads the X2 provides 2 channels of near CD-quality audio with a dynamic range of more than 80dB. In addition, there are 2 linear audio channels. XLR connectors are provided for up to 2 external microphones. The X2 also features a built-in microphone.

Plug-in Time Code option

For precise editing or off-line logging, SMPTE standard time code is often required. JVC's internal plug-in time code option allows you to record Vertical Interval Time Code (VITC) or Longitudinal Time Code (LTC) on the tape, providing a SMPTE standard identification code for every frame of recorded video. An LCD control panel on the side of the X2 lets you set the time code parameters, including an 8 digit "user bit" code of your own choosing.

Design and specifications subject to change without notice.

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