

ANNEXE 3

Caméra LDK 6000

The 12-bit analog-to-digital converters of the LDK 6000 mk II bring the camera's optimum picture quality to the digital domain. Two dedicated digital signal processors (DSPs) perform all major camera functions (i.e., knee, gamma, contour, and variable matrix) with higher than 22-bit precision. The DSPs also contain powerful features, such as digital cosmetics with independent, Emmy award-winning dual skin contour circuits to improve facial tones, as well as extensive colorimetry and color-matching capabilities.

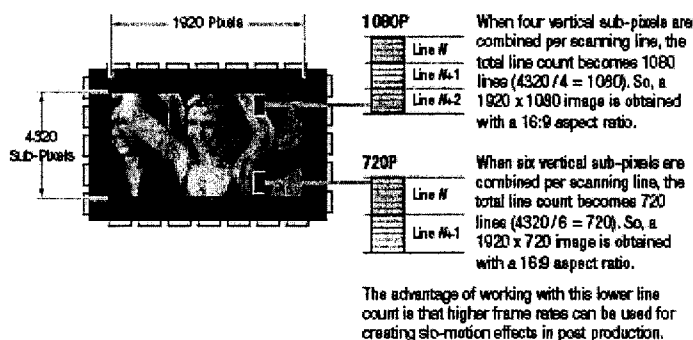
Easy, Native HD Format Switching

The LDK 6000 mk II enables easy HD format switching via a simple menu on the camera or the camera control system. The camera's CCDs group the pixels on the sensors to create the correct number of video lines necessary for a chosen format, minimizing unnecessary electronic processing.

The result? No quality degradation when switching formats.

Dynamic Pixel Management

By grouping the 4320 vertical sub-pixels on the CCDs to map to the desired line rate, all popular video formats can be acquired without compromising image quality.



Two Versions Available

The LDK 6000 mk II camera head is available in two versions: Standard and WorldCam.

The Standard version supports 1080i/720p HD formats in 50 and 59.94 Hz, and simultaneously provides high-quality SDTV output in either 50 or 59.94 Hz. The WorldCam version provides all the functionality of the Standard version as well as support for digital cinematography formats in 1080p and 720p. These formats provide an impression of motion (motion portrayal) comparable to that of film cameras running at the same speeds.

The WorldCam version of the LDK 6000 mk II also provides convenient built-in frame-rate conversion for easy connection to existing HD peripherals. As a result, you get cost-effective monitoring and recording combined with the motion portrayal of film cameras.

The 1080p23.98 format, for example, can be converted using 3:2 pull-down to 1080i59.94 right inside the camera. A similar effect is available through frame repeats for the 720p formats at lower frame rates. For example, the 720p23.98 format can generate 720p59.94 format and the 720p25 format can generate 720p50.

For 24p productions, the WorldCam makes slow motion at 2.5X speeds possible. Material acquired in the 720p59.94 format, will provide 2.5X slow motion when the 59.94 Hz recording is played back at 23.98 Hz.

Convenient Assist Tools Speed Production

The LDK 6000 mk II includes a number of features to speed the production process, from focus-assist tools to smart cards.

For precise focusing, which is especially crucial in the high-resolution HD environment, the camera includes a patented "crawler" that creates a motion effect on the edges of an object in sharp focus; the contrasting motion helps a camera operator fine tune that focus quickly. The camera also features a unique electronic viewfinder zoom function that instantly enlarges an image with a simple press of a button; it's ideal for focusing on small details.

It's also easy to pre-configure the LDK 6000 mk II for a variety of different settings—from sports and drama applications to studio settings—by storing operational and image settings on low-cost smart cards. Not only can the camera recall these settings quickly, you can transfer the cards between cameras for fast reconfiguration.

What's more, with its true progressive digital cinematography formats, the LDK 6000 mk II WorldCam can address applications such as episodics or sitcoms, which often require the special motion portrayal of dedicated digital cinematography cameras.

Lightweight, Ergonomic Design Ensures Comfort

The LDK 6000 mk II features a lightweight, balanced design for maximum comfort and freedom of movement. A magnesium-alloy body provides a high degree of durability, yet helps keep the camera the lightest in its class. An optional zoom-control on the top handle makes awkward ground-level shooting easier, while a rotary Triax-HD connector ensures that its cable does not get in the way.

Flexible and Future Proof

The LDK 6000 mk II was designed for flexibility and cost-effective compatibility. Its docking concept, for example, makes it suitable for all applications.

The lightweight LDK 6000 mk II is also perfectly suitable for hand-held operations. Alternatively, with the optional Grass Valley SuperXPander or large lens adapter and an optional seven-inch HD high-resolution viewfinder, users can turn the camera into a fully featured studio head in triax mode. The optional compact HD adapter provides 1.5 Gb/s HD-SDI output. By adding an LDK 5201 local control panel and an HD recorder, you can also create a cost-effective basic configuration for HD acquisition in the field.

