

16:9 HDTV Camera

KH-100U

48

- 1080 line interlace HDTV Camera SMPTE 240M (rectangular pixel) or SMPTE 274M (square pixel) versions
- 2/3 inch 16:9 IT micro-lens CCD (1 million pixels)
- 750 Horizontal TV Line resolution
- Signal to noise ratio 52 dB
- Lightweight 10.2 lbs. (4.6 kg) without lens
- Same size as conventional camera; 5.1" x 10.2" x 18.9" (130 x 260 x 480mm)
- Shoulder held operability and mobility
- Sensitivity of F7 at 2000 lux for flexible shooting
- Low vertical smear less than -110 dB due to low reflection CCD shielding screen
- Low power consumption of 30 W
- Compatible with W-VHS High definition format
- Scan line video processing (SVP) Digital Signal processor developed together with TI generates high TV line resolution combined with both vertical and horizontal detail correction
- 500 percent dynamic range for large contrast ratios from shadows to highlights
- Compatibility with Anton Bauer batteries provides for more than 60 minutes of shooting time
- Two white balance memories in addition to standard tungsten / sunlight setting
- Variable scan to synchronize shutter speed with TV monitors or computer displays
- Viewfinder overscan safety zone indication modes
- Shutter priority operation
- 2/3" lens compatibility



Image pickup device	: 2/3" IT CCD x 3
Color separation system	: F/1.4, 3-color separation prism
Number of effective pixels	: 960 (H) x 1035 (V) pixels
Color system	: HDTV SMPTE 240M
Sync system	: Internal (Built-in SSG), External (SYNC)
Lens mount	: Bayonet system (2/3" CCD cameras)
Optical filter	: 3200K, 5600K+25% ND, 5600K, 5600K+6.3% ND
Sensitivity	: F/7, 2000 lux
Electric gain	: +3 dB, +6 dB
S/N ratio	: 52 dB (DETAIL OFF, GAMMA 1, 30MHz bandwidth)
Horizontal resolution	: 750 HDTV lines
Contour correction	: Horizontal dual-edged, vertical dual-edged
Electronic shutter speed	: Normal, 1/100, 1/250, 1/500, 1/1000, 1/2000
Variable scan	: 1/60.01 to 1/1493.1
Power requirements	: 12 V DC (10.5 V to 16 V)
Power consumption	: 30 W (excluding lens, VF)
Video signal output	: R, G, B or Y, Pb, Pr (select switch) each one channel, BNC, 26P
Audio output	: -20 dBm one channel 26P
Sync signal output	: SYNC/HD, VD, each one channel, BNC
Sync signal input	: SYNC, one channel, BNC or 26P
Microphone input	: XLR-3 (-60 dBm/-20 dBm) one channel
Ambient temp. range	: -5°C to +45°C
Weight	: 4.6 kg, 10.2 lbs. (excluding lens)
Accessories	: Tripod base, MIC holder