

ELMO

Microcameras

UN411E

CCD color video ultra-micro camera

Imagine a camera head with broadcast quality that has a diameter of only 12mm including lens. The camera head weighs less than one-third of an ounce (without lens). Our specially designed image enhancement circuitry combined with digital signal processing reproduces video images from the 410,000 pixel color CCD that are more real than ever before imaginable.



Anti-vibration/shock characteristics	70m/s (10 to 200 Hz)/700 m/s
Camera cable	Optional cables (2m, 3m, 5m, 10m, 20m, or 30m)
Effective image area	Horizontal: 4.88mm Vertical: 3.66mm
Effective pixel number	Horizontal: 768 pixels Vertical: 494 pixels
Gain switch (AGC)	SENS UP (+6dB)/ON/OFF
Image sensor	1.3" interline-transfer CCD
Minimum intensity of illumination for objects	15 Ix (F1.6,3000K)
Operating temperature/humidity	-10 C to +40 C(14 F to 104 F)/30% to 90%
Output impedance	75 unbalanced
Power consumption	5W
Power supply	12V 0.5VDC
Resolution	More than 470 lines (H), More than 350 lines (V)
S/N ratio	46 dB or more
Scan frequency	15.734kHz(H), 59.94Hz(V)
Scanning system	2:1 interlace
Standard intensity of illumination for objects	200 Ix (f1.6,3000K)
Sync system	Internal/external sync (automatic detecting)
Video output	VBS 1.0V(p-p), (BNC terminal) NTSC system Y/C separation output (S terminal) 75 unbalanced
White balance	Automatic/push set/manual

WEIGHT

Camera head	9g (0.32 oz) without lens
Ccu	390g (0.86 lb)

ELECTRONIC SHUTTER

Automatic	1/60s to 1/10000s, automatic switching
Manual	Electronic shutter: 1/60s, 1/100s, 1/125s, 1/250s, 1/500s, 1/1000s, 1/2000s, 1/4000s, 1/10000s

EXTERNAL SYNC

Adjustment function	Subcarrier phase, H phase
Input	VBS 1.0V(p-p)(BNC terminal)75 unbalanced