

TOSHIBA

IK-645A

DAY/NIGHT CCTV CAMERA



The IK-645A is ideal for applications where flexibility in backlight compensation zones & menu-driven functionality is required in a 50dB, Day/Night camera

- Delivers the confidence of superb, high-resolution (480TVL) images in all lighting conditions — day or night
- Digital Day/Night Imaging automatically converts from color to black & white imaging in low light
- Advanced $\frac{1}{3}$ -inch IT CCD that boosts low light sensitivity to 0.2Lux @F1.2 while minimizing image smear
- Completely menu programmable
- Digital signal processing, four zone backlight compensation, and automatic shutter results in the best image capture
- Ultra wide auto white balance — from 2,500°K to 10,000°K
- 3 Year Warranty



Lease This Product Call
800-207-8362

IK-645A

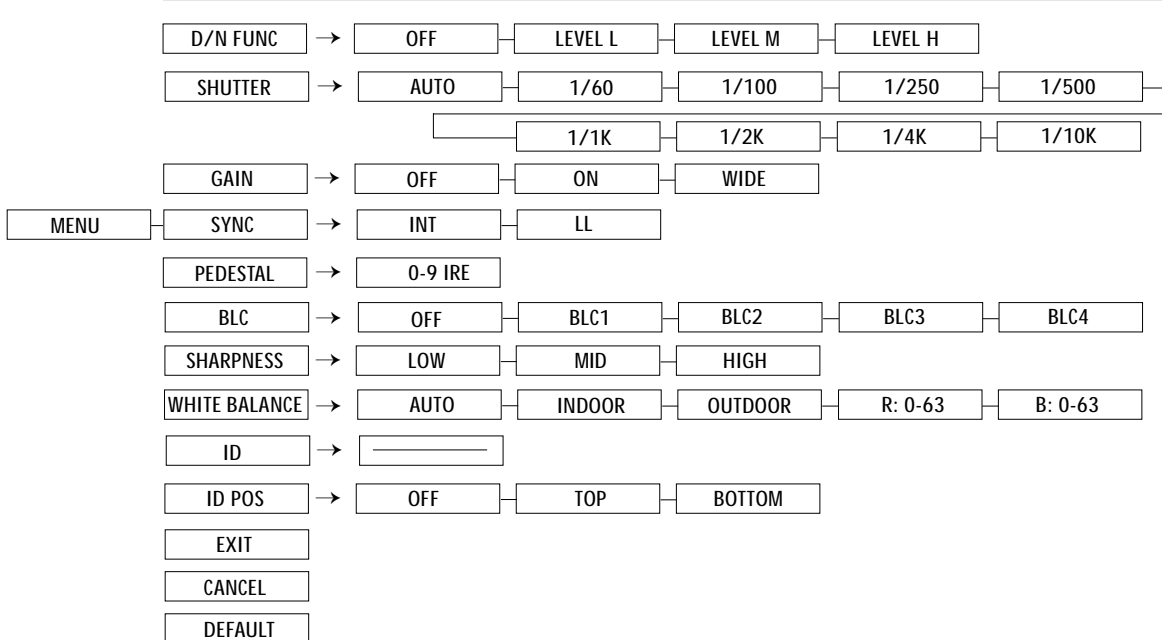
Day/Night CCTV Camera

S P E C I F I C A T I O N S

Pick-Up Element	1/3" Interline Transfer CCD
Effective Picture Elements	768 (H) x 494 (V)
Resolution	480 TVL Horizontal
Minimum Subject Illumination	0.2 Lux @ F1.2
AWB Range	2,500°K to 10,000°K
Lens Mount	CS
Backlight Compensation	Multi Zone Backlight Compensation
S/N Ratio	50dB
Video Output	VBS 1V P-P (75 Ω)
Video Format	NTSC, 2:1 Interlace
Sync System	Line-Lock/Internal
Line-Lock V-Phase Adjustment	User Adjustable 0° - 300°
Gamma Compensation	0.45 fixed
Auto Electronic Shutter	ON: 1/60 to 1/100,000 sec. Selectable: 1/60, 1/100, 1/250, 1/500, 1/1K, 1/2K, 1/4K, 1/10K
AGC	Selectable AGC On: 24dB or 32dB, OFF
Ambient Temperature	14°F to 122°F
Camera Mounting Method	1/4-inch x 20 Threaded Hole Provided (Top and Bottom)
Power Supply	AC 24V ±10%/60Hz ±1Hz DC 12V±10%
Dimensions	2.74-inch(W) x 1.97-inch(H) x 4.56-inch(D)
Weight	21.2 ounces
Auto-Iris Lens Support	DC/Video, 4 Pin Connector
Day/Night Function	On/Off, Adjustable threshold [Low = 20-30 IRE (default), Medium = 30-40 IRE, High = 40-50 IRE]
Set Up Menu	Day/Night Function, Shutter Speed, Pedestal, AGC, Sync, Backlight Compensation, Sharpness Control, White Balance, Camera Number
Safety Standard	UL2044, CSA
Emission Standard	FCC class A, IEC/A

Specifications subject to change without notice

MENU-DRIVEN SET-UP



Q: Why should I buy a Digital Recorder Ready Camera?

A: Digital video recording offers a host of critical advantages, principally in the area of image quality. However, for a Digital Video Recorder or "DVR" to maximize image quality, a clean video signal is essential. Here's why: DVRs can typically reproduce images in excess of 50dB. As such, feeding a DVR with a video signal that is 46 or 48dB is the equivalent of filling a Ferrari with cheap gas. By connecting a camera that is not 50dB or higher to a DVR you essentially waste image quality potential. Consider this example: Did you know that a DVR recording at 320x240 resolution is the equivalent of 250 - 260 lines of horizontal resolution? Yet the image quality at this resolution is typically better than that of a VCR who records at 300 lines of horizontal resolution. So then, why is the image quality better in a DVR despite reproducing lower resolution than a VCR? Because a VCR records at 42 or 43dB while the DVR records at a much higher 50dB. In this case, the superior s/n ratio of the DVR enables it to reproduce a better image despite having lower horizontal resolution.

Four Zone Backlight Compensation

