

EL-3000

Description

The EL-3000 is an 'Auto Focus', day/night camera specifically designed for high quality professional Day/Night surveillance.

The camera features a built-in 10X (f3.8~38mm) optical zoom lens with an additional Digital 10X zoom function. This provides the camera with the capacity to deliver 100X times in zoom magnification. The camera's charged Couple Device (CCD) image device permits the camera to operate at the superb light sensitivity of 0.0007 Lux in full colour. The EL3000 also has a built-in ICR Day/Night filtering mechanism. The EL3000 incorporates an intelligent CDS control technology that triggers the mechanical day/night filter accurately at the proper Lux level.

During daytime periods the camera produces a 500TVL colour image with this increasing to 570TVL in pure Black & White mode for images captured during night-time periods. The EL3000 also incorporates a SMART-ZOOM feature. This permits the allocation of 2 optical zoom presets areas (1X-10X). These preset areas will be triggered upon motion being detected in the prescribed area. The camera will automatically zoom into the area concerned and present an optical image of the area optically magnified to the power of 10 (10X). Once the movement has abated, the camera will automatically revert to its preset default position.

This feature is ideal for parking areas, garages, community entrances and business complexes where both vehicle and facial recognition facilities are required. With a full RS485 feature, the camera can be fully configured through the Digital Video Recorder (DVR) or Pan/Tilt/Zoom (PTZ) controller.

Features

- Digital Zoom Camera (Optical 10x plus Digital 10x)
- High performance 1/4" Sony Super HAD CCD
- High resolution of 500 TVL at Day / 570 TVL at Night
- Greatly enhanced Sensitivity of 0.0007 Lux at F1.8
- IR Sensitive mechanical Day/Night filter system built-in (ICR)
- True Colour at Day and Real B/W at Night conversion
- Accurate Day/Night perception
- RS-485 remote control (Pelco-D)
- IP67 Weatherproof
- Installation with existing telephone cable up to 100M long.
- Easy to use OSD menu control
 - Motion detection.
 - Camera ID
 - Sens-up (2x~128x)
 - Dynamic Noise Reduction (DNR)
 - Privacy masking

Smart Zoom in Action



Specifications

SPECIFICATION	EL-3000
Image sensor	STD : 1/4" Sony Super HAD CCD
Effective Pixels	NTSC : 768(H) x 494(V) PAL : 752(H) x 582(V)
H.Resolution	NTSC : 500 TV Lines (at Day) / 570 TV Lines (at Night) PAL : 500 TV Lines (at Day) / 570 TV Lines (at Night)
Synchronizing system	Internal / Line Lock
Scanning system	NTSC 525 Lines PAL 625 Lines 2:1 Interlaced
Video output	1.0Vp-p Composite. 75 Ohms
S/N Ratio	50dB (AGC off)
Min.illumination	0.0007 Lux at F1.8(Sens-up)
OSD Menu	RS485 (DVR or Controller is available)
Digital Zoom	On / Off (2X ~ 10X)
Day & Night	Colour / B/W / Auto (ICR filter change)
Back Light Compensation	Low / Middle / High / Off
Shutter Speed	Auto / Manual (NTSC: 1/60 ~ 1/120,000 sec) (PAL: 1/50 ~ 1/120,000 sec)
White Balance	ATW (Indoor: 3,000°K~10,500°K, Outdoor: 1,800°K~10,500°K) / AWC / Manual
Gain Control	Low / Middle / High / Off
Sens-up	Auto (2X~128X) / Off
DNR	Low / Middle / High / Off
Communication	RS-485 (Pelco-D)
Power Source	24VDC/24VAC(Dual Power)
Operating current	DC : 140mA(IR "Off" at Day)/ 450mA(IR "On" at Night) AC : 130mA(IR "Off" at Day)/ 380mA(IR "On" at Night)
Lens	Auto Focus Digital zooms
Zoom ratio	10X, f3.8~38mm (F1.8)
Min.Focus distance	1.5M
Angle of view lens initialization	Horizontal: Approx.52.2°(Wide) to 5.58°(Tele) Vertical: Approx.39.3°(Wide) to 4.27°(Tele)
Digital Zoom	On / Off (2X~10X)
Operating Temperature	14°F ~ 122°F (-10°C ~ +50°C)
Humidity	Within 90% RH
Weatherproof rating	IP67
Measurement (mm)	120(W) X 172(V) X 294.3(L)
Weight (Approx.g)	3000
Connection	Cable concealed through Bracket
IR Spectrum	High Power 850nm-10°(50) x 32ea High Power 850nm-40°(50) x 12ea
Viewable distance	Up to 70M at moonless night
MTBF of IR	20,000 Hours