



# ED640

## Indoor Color DWDR 3-Axis Varifocal 700TVL IR Dome Camera

Get superior performance and 700HTVL resolution images in bright light or no light. The EverFocus ED640 uses a Sony Super HAD II Color CCD to produce high quality color images with a minimum of 700 horizontal TV lines of resolution; combine this with digital day/night, a native low light sensitivity of 0.01 lux, and 24 smart IR LEDs with a range of 82 feet that can control IR output to avoid over exposure of close in objects (max range depends on scene IR reflectivity), a 3-axis wall or ceiling mount indoor plastic housing plus a full range of OSD features like DWDR, 2D DNR, Privacy Zones, and Anti-Color-Roll and you have a cost effective camera that fits a wide variety of indoor applications.

The ED640 comes with a 2.8~12mm VF AI lens that covers a field of view up to 82° wide, or can magnify images for increased detail. With low 12VDC current draw, this is the camera that you have been waiting for to create analog CCTV systems that deliver superior image clarity in a wide range of indoor applications at virtually any light level.

### Features

- 1/3" Sony Super HAD II Color CCD with high resolution of 700TVL for high image clarity
- Full OSD with features like DWDR, HLC/BLC, DNR, Anti-Color-Roll and more
- 2.8~12mm VF AI lens covers from wide angle of 82° to moderate telephoto field of view
- 3-Axis camera mount for flexible mounting and positioning
- 24 smart IR LEDs with range of 82 feet for long distance coverage
- Smart LEDs avoid over exposure of close in objects
- Digital Day/Night for color in bright light, IR illuminated B/W in low light
- DC12V only 320mA draw

<b>TV System</b>	NTSC
<b>Image Sensor</b>	1/3" Sony Super HAD II Color CCD
<b>Effective Pixels</b>	768Hx494V
<b>Resolution</b>	700 TV Lines
<b>Lens</b>	2.8~12mm VF AI
<b>Scanning System</b>	525Lines, 2:1 Interlace
<b>Scanning Frequency</b>	15.734KHz(H),59.94Hz
<b>Auto Shutter Speed</b>	1/60 to 1/100,000sec.
<b>Sync. System</b>	Internal
<b>S/N Ratio</b>	More than 52dB (AGC off)
<b>OSD</b>	5 Button Navigation. Multiple options
<b>OSD Language</b>	English, Spanish, French, Portuguese, German, Polish, Japanese, Chinese
<b>Day &amp; Night</b>	Auto/Color Black & White; Digital Day/Night with programmable switch levels and delays
<b>Min. Illumination</b>	0.01 lux nominal; 0 lux with IR LEDs on
<b>IR LEDs</b>	24 smart LEDs, 850nm
<b>IR Range</b>	82 feet (depends on scene IR reflectivity)
<b>Smart IR Control</b>	Off/On with programmable area of interest and gain
<b>Auto Gain Control</b>	Off, Low, Middle, High
<b>DWDR</b>	Off/On with adjustable weight
<b>BLC</b>	Off/On for two areas with programmable area of interest and gain
<b>HLC</b>	Off/Night Only/Always with adjustable level
<b>Gamma Correction</b>	0.45; Display compensation option for CRT or LCD with adjustable levels
<b>DNR</b>	2D DNR Off/On
<b>Lens Shading Compensation</b>	Off/On, adjustable for level and image center
<b>Mirror</b>	Off/On
<b>Negative Image</b>	Off/On
<b>White Balance</b>	AWB ( 2,100°k ~ 9,100°k)
<b>Digital Pixel Correction</b>	Manual operation; programmable threshold and area
<b>Motion Detection</b>	On screen indication; up to 4 programmable areas
<b>Privacy Zones</b>	Up to 8 areas programmable for location and color
<b>Video Output</b>	NTSC CVBS, 1Vp-p, 75Ω
<b>Power Supply</b>	DC 12V±10%
<b>Power Consumption</b>	160mA Nominal / 320mA IR ON
<b>Operating Temperature</b>	14°F ~ 122°F ; -10°C~50°C
<b>Storage Temperature</b>	-4°F ~ 140°F ; -20°C~60°C
<b>Operating Humidity</b>	to 90% RH max.
<b>Dimension</b>	4.41"/112mm diameter, 3.43"/87mm high
<b>Weight</b>	7.2oz/205g
<b>Certifications</b>	CE/FCC

### Ordering Information

**ED640:** Indoor Color DWDR, 3-Axis Varifocal 2.8-12mm, 700TVL, IR Dome Camera