

# OMNI EZ HD TVI

**KEZ-c2CRB37:** 3.7mm Lens  
**KEZ-c2CRB43:** 4.3mm Lens  
1080p HD Over Regular Coax or UTP  
Outdoor Miniature Cylinder Camera



## Technical Specifications:

<b>Imaging Device</b>	1/2.7" 2MP Progressive Scan CMOS
<b>Video Format</b>	1080p HD-TVI 30/25Hz (OSD selectable)
<b>Picture Elements</b>	1930 (H) x 1088 (V)
<b>Cell Size</b>	3.0µm x 3.0µm
<b>Maximum Image Resolution</b>	1920 (H) x 1080 (V)
<b>Horizontal Resolution</b>	More than 1080 HTVL (1080p mode)
<b>Lens Type</b>	Megapixel Fixed Focal Length f=3.7mm, 4.3mm board type
<b>Video Output Connector Type</b>	BNC 75Ω
<b>Sync. Mode</b>	Internal
<b>OSD Menu</b>	Multiple functions using on-camera 3-axis joystick and/or up-the cable (UTC) control
<b>OSD Languages</b>	English, Chinese
<b>OSD Control</b>	Full OSD Menu access via on-camera 3 axis joystick plus up-the-cable (UTC, Coaxitron® type ) signaling
<b>Electronic Shutter</b>	Auto, 1/25, 1/30, 1/50, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/3000, 1/10000
<b>BLC</b>	(0~16 selectable)
<b>HLC</b>	Adjustable area, 0~255 for mask and threshold values
<b>Auto Gain Control</b>	1~5 (Max. 30dB)
<b>White Balance</b>	AUTO indoor / AUTO Outdoor / USER / PUSH / Manual
<b>Flickerless</b>	Off, 50Hz, 60Hz
<b>Day/Night Type</b>	Digital Day/Night
<b>Day &amp; Night</b>	Auto, color, B/W
<b>2D-DNR</b>	Auto
<b>Image Control</b>	Flip, Mirror, Gain, Hue, Sharpness, Contrast
<b>Motion Detection</b>	Off/On for programmable zone with sensitivity adjust (pixel change detection)
<b>Privacy Mask</b>	Two, with adjustable size and position
<b>Lens Shading Compensation</b>	Off/On
<b>Other OSD Functions</b>	Camera Title with position, Font Color; Image Sharpness
<b>Power Source</b>	12VDC
<b>Power Consumption</b>	12VDC:90mA
<b>Operating Temperature</b>	14 °F ~ 122 °F (-10 °C ~ 50 °C)
<b>Environmental</b>	IP67 weatherproof
<b>Mechanical</b>	Metal housing and mount; housing equipped with ¼-20 thread at rear
<b>Positioning</b>	3-axis flexible positioning for wall or ceiling mounting Mount included
<b>Dimensions</b>	Body Ø 0.9" (23mm); 3.7mm lens model front cap Ø 1.11" (28.2mm) Overall length 3.57" (90.75mm); Body only 2.96" (75.25mm) See diagrams for outline details.
<b>Weight</b>	2.15 oz. (67g)
<b>Certifications</b>	CE / FCC / RoHS

## Features

- Superlative HD resolution of 1080p30 for amazing image quality and useful digital zoom
- Field select 1080p 30/25
- HD-TVI HD BNC output
- Operation over 'almost any' wire
  - Over 1000 feet on standard RG59 coax; longer distances on RG6
  - Up to 500' on one pair from a Cat5e cable (using optional KA-HDBAL1 balun pair).
- 1/2.7" progressive scan CMOS sensor
- 3.7, 4.3mm megapixel lens to capture the desired field of view
- Easy mounting with 3-Axis positioning for convenient wall or ceiling mounting
- Simple and easy to use OSD setup menu
  - Up-the-cable control from OMNI EZHD recorders (or other compatible Coaxitron® control equipment)
  - On-camera 3-axis joystick
  - Programmable Back Light Compensation (BLC) and Highlight Compensation (HLC)
  - Adjustable 2D Noise Reduction to increase low light picture clarity and conserve DVR HDD disk space
  - Privacy masking for 8 configurable zones
  - Lens shading compensation for even exposure out to the lens periphery
- IP67 weatherproof metal housing with 3-axis mount included
- Choice of black or white housing color to blend or contrast with the décor
- Operating temperature range of 14°F~122°F
- 12VDC operation with low current draw

