



**INNOVATIVE**  
HIGH DEFINITION SURVEILLANCE



**OMNI**  
**EZ** HD TVI

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 **KEZ-c2TR4IR**

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1080p HD Over Regular Coax or UTP  
Outdoor Turret with IR, True Day/Night, OSD, 3.6mm  
IP66, 66' Smart IR Range, 12VDC

KEZ-c2TR4IRB: 3.6mm, Black Housing    KEZ-c2TR4IRW: 3.6mm, White Housing

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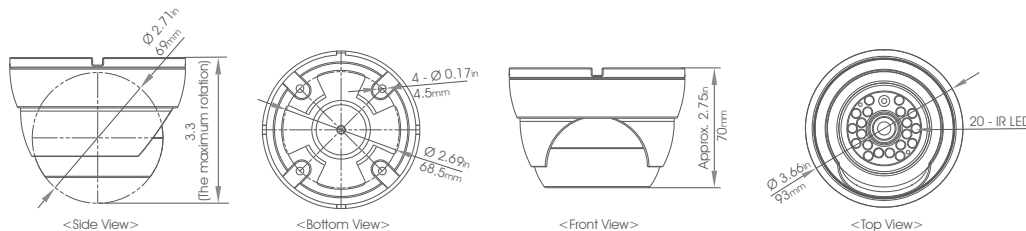
### Features

- Superlative HD resolution of 1080p30 for amazing image quality and useful digital zoom
- Field select 1080p/720p 30/25
- HD-TVI HD BNC output, plus full time CVBS analog BNC output for alternative connection/monitoring and ease of service
- 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).
- 1/2.8" progressive scan CMOS sensor
- 3.6mm megapixel lens to capture the desired field of view
- Wide Dynamic Range to handle challenging bright or unbalanced lighting conditions
- Digital slow shutter (Sens-Up) low light enhancement (Use of more than 2-4X enhancement should be limited to select applications.)
- True Day/Night zero light operating range of 66 feet or more (depending on scene reflectivity) from 20 IR LEDs
- Smart IR automatic exposure level adjust to achieve the desired IR brightness despite reflections and bright spots
- 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)
  - Wide Dynamic Range for bright or unbalanced scene lighting conditions
  - Programmable Back Light Compensation (BLC) and Highlight Suppression Back Light Compensation (HSBLC)
  - Adjustable 3D 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
  - Defog improves image contrast in the presence of haze or smoke that obscures image details
- IP66 weather resistant, vandal resistant metal housing
- 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



### Technical Specifications:

<b>Imaging Device</b>	1/2.8" Progressive Scan CMOS
<b>Video Format</b>	Main Output: 1080p/720p HD-TVI 30/25 FPS (OSD selectable) Secondary Output: Full time CVBS (OSD selectable NTSC/PAL) aux video
<b>Picture Elements</b>	1984 (H) x 1105 (V)
<b>Effective Picture Elements</b>	1920 (H) x 1080 (V)
<b>Horizontal Resolution</b>	More than 1080 HTVL (1080p mode)
<b>Sensitivity</b>	0 lux IR on
<b>Day/Night Type</b>	True Day/Night with ICR motorized filter control
<b>Lens Type</b>	Megapixel Fixed Focal Length f=3.6mm board type
<b>IR LED</b>	20 LED, 850nm
<b>IR Range</b>	66' / 20m †
<b>Smart IR Exposure Adjust</b>	Adjustable Off/low/mid/high
<b>Video Output Connector Type</b>	TVI and CVBS: BNC 75Ω
<b>Sync. Mode</b>	Internal
<b>OSD Menu</b>	Multiple functions using UTC Control
<b>OSD Languages</b>	English, Spanish, Portuguese, German, Russian, Japanese, French
<b>UTC Control</b>	Full OSD Menu access via up-the-cable (Coaxitron® type) signaling
<b>DWDR/BLC/HSBLC</b>	OFF/WDR/BLC/HSBLC Selectable Adjustable for Level 1-10; also BLC area, HLC color.
<b>Auto Gain Control</b>	OFF; 2-42dB
<b>Electronic Shutter</b>	Auto; FLK; or Manual 1/30 (25) to 1/30,000
<b>White Balance</b>	Auto / Push Lock / Manual
<b>Color Correction</b>	Gamma 0.45-.65, adjustable
<b>Day &amp; Night</b>	Auto True D/N with motorized ICR, controlled by photo sensor. Optional color-only and B/W only modes under OSD control
<b>Digital Slow Sutter (DSS)</b>	DSS low light boost Off/Auto 2X-16X*
<b>3D-DNR</b>	Off/Low/Mid/High
<b>Digital Zoom</b>	1X-8X
<b>Defog</b>	Off/Low/Mid/High
<b>Mirror</b>	Off / H-flip, V-flip, rotate
<b>Motion Detection</b>	Off/On for programmable zone with sensitivity adjust (pixel change detection)
<b>Privacy Mask</b>	Off/On with full programmability for 8 selectable zones
<b>Lens Shading Compensation)</b>	Off/Low/Mid/High
<b>DPC (Defective Pixel Correction)</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:390mA
<b>Operating Temperature</b>	14 °F ~ 122 °F (-10 °C ~ 50 °C)
<b>Environmental</b>	IP66 weather resistant
<b>Mechanical</b>	Metal ball and base, with base removable for easy mounting
<b>Positioning</b>	3-axis flexible positioning for wall or ceiling mounting Pan: 0-360° Tilt: 0-70° Rotate: 0-360°
<b>Dimensions</b>	Ø5.14" x 3.67" (Ø93 x 63mm)
<b>Weight</b>	.73 lbs./332g
<b>Certifications</b>	CE / FCC / RoHS



\*DSS levels above 4X should be used only after careful consideration of scene dynamics †As with all IR cameras, IR range will vary based on scene IR reflectivity and illumination. KT&C America reserves the right to make changes to improve our products at any time without notice; we are not responsible for misprints.