



OMNI EZ HD TVI

 **KEZ-c2BR28V1 2IR**

1080p HD Over Regular Coax or UTP
Outdoor Bullet with IR, True Day/Night, WDR, OSD,
2.8-12mm, 98' Smart IR Range, IP66, Dual Voltage

KEZ-c2BR28V1 2IR: 2.8-12mm, Black

OMNI EZ HD TVI

KEZ-C2BR28V1 2IR

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

Features

- Superlative HD resolution of 1080p Full HD or 720p HD for amazing image quality and useful digital zoom on live view and playback
 - Field select 1080p or 720p
 - Field select 30/25 Hz or 60/50 Hz
- Operation over 'almost any' wire
 - More than 1000 feet on standard RG59 coax
 - More than 1500 feet on RG6
 - More than 500 feet on UTP (one pair from a Cat5e cable, using optional KA-HDBAL1 balun pair).
- HD-TVI HD BNC main output
- CVBS analog service video output inside housing
 - Use standard hand held test monitors
 - Convenient aim and focus; ease of service
- 1/2.8" progressive scan CMOS sensor with .5 lux native light sensitivity
- Varifocal Aspheric 2.8~12mm 2 Megapixel lens to capture the desired field of view
- True Day/Night zero light operating range of 98 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
- Simple and easy to use OSD setup menu
 - Local 3-axis joystick inside access cover
 - Up-the-cable control from OMNI EZHD recorders (or other compatible Coaxitron® control equipment)
 - Digital slow shutter (Sens-Up) low light enhancement (More than 2~4X enhancement should be limited to select applications.)
 - Digital Wide Dynamic Range to handle the most challenging of bright or unbalanced 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
 - Image H/V flip and rotate, digital zoom and more
- Dual voltage 24VAC/12VDC operation with low current draw
- 3-axis mount that conceals and protects the cables
- IP66 weather resistant, metal construction with external lens adjustment
- Operating temperature range of 14°F~122°F



1080p

True
Day/Night

WDR

2.8-12
mm

98'
Smart
IR Range

IP66
Weather
Resistant

Local OSD
Plus UTC

3 Axis

CVBS
Test Point

External
Zoom/Focus
Control

Privacy
Mask

3D
DNR

Technical Specifications:

| | |
|---|---|
| Imaging Device | 1/3" Sony 2.1Mp Progressive Scan CMOS |
| Video Format | Main Output: 1080p30/25, 720p60/50 HD-TVI (OSD selectable) Secondary Output: CVBS (OSD selectable NTSC/PAL) service video test point |
| Effective Picture Elements | 1984 (H) x 1105 (V) |
| Output Resolution | 1920 (H) x 1080 (V) |
| Horizontal Resolution | More than 1080 HTVL (in 1080p mode) |
| Sensitivity | 0 lux IR on; .5 lux @ F1.6 (AGC On) |
| Day/Night Type | True Day/Night with ICR motorized filter control |
| Lens Type | 2 Megapixel Varifocal Type 2.8~12mm F=1.6 IR corrected |
| Lens Adjustment | Lens zoom and focus adjustable from outside the housing |
| IR LED | 20 Smart IR LEDs, 850nm |
| IR Range* | 98' / 30m |
| Smart IR Exposure Adjust | Active when IR enabled: Off/Low/Mid/High |
| Video Output Connector Type | TVI and CVBS: BNC 75Ω Test Video: CVBS video test point inside access cover, cable to BNC supplied |
| Sync. Mode | Internal |
| OSD Menu | Multiple functions using 3-axis joystick inside housing; UTC Control |
| OSD Languages | English, Spanish, Portuguese, German, Russian, Japanese, French |
| UTC Control | Full OSD Menu access via up-the-cable (Coaxitron® type) signaling |
| WDR / BLC / HSBLC | OFF/WDR/BLC/HSBLC Selectable Adjustable for Level 1~10; also BLC area, HLC color. |
| Auto Gain Control | OFF; 2~42dB |
| Electronic Shutter | Auto; FLK; or Manual 1/30 (25) to 1/30,000 |
| White Balance | Auto / Push Lock / Manual |
| Color Correction | Gamma 0.45~.65, adjustable |
| Day & Night | Auto True D/N with motorized ICR, controlled by photo sensor. Optional color-only and B/W only modes under OSD control |
| Sens-Up | DSS low light boost Off/Auto 2X~16X* |
| 3D-DNR | Off/Low/Mid/High/Auto |
| Digital Zoom | 1X~8X |
| Defog | Off/Low/Mid/High |
| Mirror | Off / H-flip, V-flip, rotate |
| Motion Detection | Off/On for programmable zone with sensitivity adjust (pixel change detection) |
| Privacy Mask | Off/On with full programmability for 8 selectable zones |
| Lens Shading Compensation) | Off/Low/Mid/High |
| DPC (Defective Pixel Cor- rection) | Off/On |
| Other OSD Functions | Camera Title with position, Font Color; Image Sharpness |
| Power Source | 12VDC/24VAC |
| Power Consumption | 12VDC: 400mA, 24VAC: 4.8W (IR LED On) |
| Operating Temperature | 14 °F ~ 122 °F (-10 °C ~ 50 °C) |
| Environmental | IP66 weather resistant |
| Mechanical | Metal housing with sun shield; rear weather sealed rear access port for OSD menu and video test point; mount conceals and protects cables; external lens adjustment |
| Positioning | 3-axis flexible positioning for wall or ceiling mounting |
| Dimensions | Ø2.56" x 4.72" (Ø65 x 120mm) Body alone (across sunshield); 3.23" diameter/5.71" long ; 8.82" in line, longest extension; in 90° position, ~8.25" long and ~5.4" high |
| Weight | 1.98 lbs./ .9 Kg |
| Certifications | 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.