



INNOVATIVE
HIGH DEFINITION SURVEILLANCE



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, 100' Smart IR Range, IP66, Dual Voltage

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

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1080p HD Over Regular Coax or UTP
Outdoor Turret with IR, True Day/Night, OSD, 3.6mm IP66, 100' 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 100 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

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*	100' / 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
OSD 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 Correction)	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.

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