OMNI EZ HD TVI

KEZ-c2BR_XIR

1080p HD Over Regular Coax or UTP
Outdoor Bullet with IR, True Day/Night, OSD, IP66
262' Dual Super Beam Smart IR Range, 12VDC
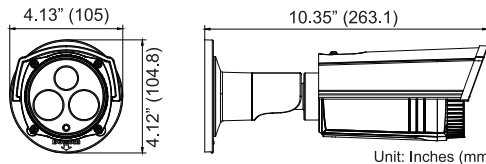
KEZ-c2BR4XIR: 3.6mm,   KEZ-c2BR6XIR: 6mm,   KEZ-c2BR12XIR: 12mm

KT&C INNOVATIVE
HIGH DEFINITION SURVEILLANCE

Feature badges: 1080p · True Day/Night · True WDR · 262′ Smart EXIR · 3D DNR · 3 Axis · BLC HLC · DC12 · IP66 Water Resistant · UTC Up The Cable OSD Control · Privacy Mask · Rugged Housing · Service Video

OMNI EZ HD TVI

KEZ-c2BR_XIR

1080p HD Over Regular Coax or UTP
Outdoor Bullet with IR, True Day/Night, OSD, IP66
262′ Dual Super Beam Smart IR Range, 12VDC

Features

- Superlative HD resolution of 1080p30 for amazing image quality and useful digital zoom
- HD-TVI HD BNC output, plus CVBS analog BNC output for alternative connection/monitoring**
- CVBS Video output for convenient installation, 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).
- 1/3" progressive scan CMOS sensor with .01 lux native light sensitivity
- You choice of 3.6mm, 6mm or 12mm Megapixel lens to capture the desired field of view
- 120dB True Wide Dynamic Range to handle the most challenging of bright or unbalanced lighting conditions**
- Digital slow shutter (Sens-Up) low light enhancement*
- True Day/Night zero light operating range of 262 feet or more* from dual Super Beam IR LEDs
- Smart IR automatic exposure level adjust to achieve the desired IR brightness despite reflections and bright spots
- Easy mounting using 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)
  - True Wide Dynamic Range for bright or unbalanced scene lighting conditions**
  - Digital Wide Dynamic range option
  - Programmable Back Light Compensation (BLC) and Highlight Suppression Back Light Compensation (HSBLC)
  - Adjustable 3D + 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
  - Defog improves image contrast in the presence of haze or smoke that obscures image details
- Smart digital zoom** expands a selected area within the field of view to full screen when motion is detected
- 12VDC operation with low current draw
- IP66 weather resistant, vandal resistant construction
- Operating temperature range of -4°F~140°F
- Optional KA-BRJB2 Junction Box; or optional KA-BRPM1 Pole Mount with or without a junction box

4.13" (105)   10.35" (263.1)

4.12" (104.8)

Unit: Inches (mm)

Technical Specifications

Imaging Device	1/3" Progressive Scan CMOS
Video Format	Main Output: 1080p30/25 HD-TVI (30/25Hx OSD selectable) Secondary Output: CVBS (OSD selectable NTSC/PAL) aux video**
Effective Picture Elements	1920 (H) x 1080 (V)
Horizontal Resolution	More than 1080 HTVL
True WDR Range**	120dB
Sensitivity	0 lux IR on; .01 lux @ F1.2 (AGC On)
Day/Night Type	True Day/Night with ICR motorized filter control
Lens Type	Megapixel Fixed Focal; length 3.6mm, 6mm or 12mm
Angle of view	3.6mm: 80.9°; 6mm: 54.3°; 12mm: 24.3°
IR LEDs	Dual Super Beam LED, 850nm (Can be disabled in OSD if desired)
IR Range[1]	262′ / 80m
Smart IR Exposure Adjust	Active when IR enabled
S/N Ratio	Over 52dB
Video Output Connector Type	TVI and CVBS: BNC 75Ω
Sync. Mode	Internal
UTC OSD Menu Control	Multiple functions; full OSD Menu access via up-the-cable (Coaxitron® type) signaling
OSD Languages	English, Spanish, Portuguese, German, Russian, Japanese, Mandarin, Cantonese, French, Korean, Italian, Polish, Dutch, Turkish, Hebrew, Arabic
Scene Optimization	Choose: Indoor, Indoor 1, Outdoor, Low Light
WDR/BLC/HSBLC	OFF/WDR/BLC/HSBLC Selectable, WDR: Low, Middle, High; adjustable brightness and offset, BLC: Low, Middle, High with adjustable area size/position, HSBLC: On/Off for 4 areas, adjustable area size/position and level; full time or night-only
Auto Gain Control	0~15
Electronic Shutter	Auto; or 1/30 (25), FLK, to 1/50,000
White Balance	ATW; AWC->SET; Manual
Color Correction	Nominal Gamma 0.45, adjustable; or, separate adjustment for red and blue levels
Day & Night	Auto True D/N with motorized ICR, controlled by photo sensor; IR LEDs may be disabled.
	Optional color-only and B/W only modes under OSD control
Digital Slow Shutter [DSS]	DSS low light boost Off/Auto 2~30*
2D-DNR	On/Off
3D-DNR	Off/On: Smart Noise Reduction with adjustable level; adjustable AGC range limits
Digital Zoom	2X~62X with virtual P/T (area selection)
Smart Digital Zoom	Select programmable area and sensitivity level; while in-area motion/pixel change is detected, image zooms to full screen display of selected area and holds for user selected time; size of area to be shown full screen selected defines zoom ratio when active.
Brightness	1~100
Defog	Adjustable area size/position; gradient off, low, middle, high
Digital Wide Dynamic Range	On/Off
Mirror	Off / H-flip, V-flip, rotate
Motion Detection	Off/On for 4 programmable zones (pixel change detection)
Privacy Mask	Off/On with full programmability for 8 selectable zones
Lens Shading Compensation)	Off/On
DPC (Defective Pixel Correction)	Live mode with level adjust; static mode with level, DSS and AGC adjust
Other OSD Functions	Flickerless; Camera Title with position, Font Color; Image Sharpness; CRT/LCD display optimization; Negative Image
Power Source	12VDC
Power Consumption	12VDC: 417mA
Operating Temperature	-4 °F ~ 140 °F (-20 °C ~ 60 °C)
Environmental	IP66 weather resistant
Mechanical	Metal body and sun shield with external leads to toggle WDR state.
Positioning	3-axis flexible positioning for wall or ceiling mounting, Pan: 0~360° Tilt: 0~90° Rotate: 0~360°
Dimensions	10.36" × 4.13" × 4.13" [263.1 × 102 × 104mm]
Weight	1764 lbs./.8Kg
Mounting Options	Optional KA-BRJB2 Junction Box; or optional KA-BRPM1 Pole Mount with or without a junction box
Certifications	CE / FCC / RoHS

FC | CE

*DSS levels above 4X should be used only after careful consideration of scene dynamics **True WDR processing and downscaling from 1080p to CVBS both demand significant processor resources. CVBS output and digital zoom are disabled when True WDR is active; where full time CVBS output is desired, Digital WDR is an OSD menu option. WDR status is easily controlled from a switch provided next to the CVBS test point and OSD joystick.[1]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.

KEZ-c2BR4XIR: 3.6mm,   KEZ-c2BR6XIR: 6mm,   KEZ-c2BR12XIR: 12mm

www.ktncusa.com