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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-c2BR28V12IR: 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, 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



1080p

True
Day/Night

WDR

2.8-12
mm

100'
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*	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
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.



INNOVATIVE
HIGH DEFINITION SURVEILLANCE



OMNI
EZ HD TVI

 **KEZ-c2BR4IR**

1080p HD Over Regular Coax or UTP
Outdoor IR Bullet True Day/Night Camera
66' IR Range, IP67, 12VDC

KEZ-c2BR4IR: 3.6mm, Black Housing



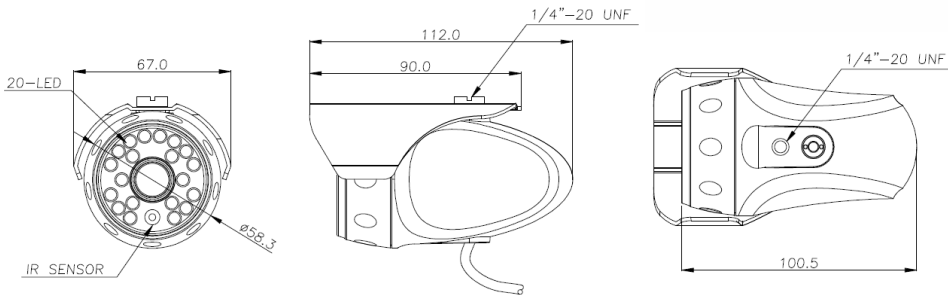
**OMNI
EZHD-TVI**

KEZ-C2BR4IR

1080p HD Over Regular Coax or UTP
Outdoor IR Bullet True Day/Night Camera
66' IR Range, IP67, 12VDC

Features

- 1/2.7" Progressive Scan CMOS
- EZHD-TVI: 1080p 30 FPS
- True Day/Night
- 20 IR LEDs with 66' Smart IR Range
- Min. Illumination of 0 Lux (IR LED On)
- IP67 (Weatherproof)
- Fixed Board Lens
- DC 12V Power



1080p **True Day/Night** **66' Smart IR Range** **IP67 Weather Resistant** **DC12** **BLC HLC**

Technical Specifications:

Image Device	1/2.7" PROGRESSIVE SCAN CMOS
Effective Pixels	1920 (H) x 1080 (V)
Unit cell size	3.0um (H) x 3.0um (V)
Video output mode	HD-TVI : 1080P 30fps(25fps)
Transmission Distance	HD-TVI : Color 300m@RG59 , BW 500m@RG59
Minimum Illumination	0 Lux (LED On)
Shutter speed	Auto, 1/25, 1/30, 1/50, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/3000, 1/10000
BLC/HLC	BLC/HLC
AGC	1~5 (Max. 30dB)
2DNR	AUTO
White Balance	AUTO / USER / PUSH / Manual
Lens	Board Lens
Day&Night	True Day&Night
IR-LED	850nm, up to 66 Foot IR Distance†
IP Rating	IP67
Temperature/ Humidity	Operation : 14°F~122°F(-10°C~50°C) Storage : -4°F~140°F(-20°C~60°C)
Power Consumption	DC 12V ±10% Max.350mA
External Control	UTC
Dimension	Ø 2.29 x 3.93 Inches (Ø 58.3 x 100mm)
Weight	Approx. 12.69 Oz



†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.



OMNI
EZ HD TVI



KEZ-c2BR5V50IR

1080p HD-TVI Outdoor Bullet with IR

- 1080p HD Over Regular Coax or UTP
- True Day/Night
- Digital WDR
- 5-50mm
- IP66 Weather Resistant
- External Zoom/Focus Control
- OSD/UTC
- CVBS Test Point
- Dual Voltage
- Black or White Housing Available



KEZ-c2



KEZ-c2



KEZ-c2