



INNOVATIVE
HIGH DEFINITION SURVEILLANCE



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OMNI
EZ HD TVI

 **KEZ-c2DR28V1 2IR**

1080p HD Over Regular Coax or UTP
Outdoor, IR Dome: True Day/Night, OSD, 2.8-12mm
IP68, 66' Smart IR Range, -40°, Dual Voltage

KEZ-c2DR28V12IR: 2.8-12mm


KEZ-C2DR28V1 2IR

1080p HD Over Regular Coax or UTP
Outdoor, IR Dome: True Day/Night, OSD, 2.8-12mm
IP68, 66' Smart IR Range, -40°, Dual Voltage

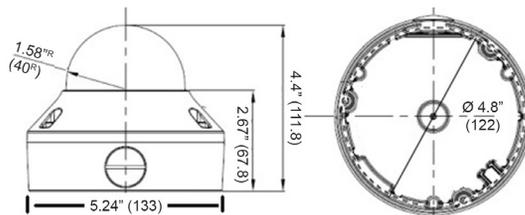
Features

- 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
- 1/3" Sony 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 66 feet or more (depending on scene reflectivity) from 24 IR LEDs
- Smart IR automatic exposure level adjust to achieve the desired IR brightness despite reflections & 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
 - 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
- IP68 water proof, vandal proof construction
- Operating temperature range of -40°F~140°F
- Easy mounting using 3-Axis positioning for convenient wall or ceiling mounting
 - Optional KA-RCMP1 for mounting to standard electrical boxes
 - Optional KA-RCWM1 wall mounting arm

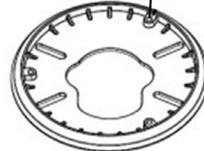

Technical Specifications

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
Picture Elements	1984 (H) x 1105 (V)
Effective Picture Elements	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
IR LED	24 Smart IR LEDs, 850nm
IR Range [†]	66' / 20m
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
DWDR / 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
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: 350mA, 24VAC: 4W (IR LED On)
Operating Temperature	-40 °F ~ 140 °F (-40 °C ~ 60 °C)
Environmental	IP68 water proof
Mechanical	Vandal proof metal construction
Positioning	3-axis flexible positioning for wall or ceiling mounting
Dimensions	Ø5.24" × 4.4" [Ø133 × 111.8mm]
Weight	1.63 lbs./.74 Kg
Mounting Options	Electrical box adapter: KA-RCMP1; Wall mount arm with ring: KA-WM101
Certifications	CE / FCC / RoHS

*DSS levels above 4X should be used only after careful consideration of scene dynamics

Dimensions (Unit: mm)

Accessories:


Camera Mounting Hole



KA-RCMP1
Optional
Electrical Box
Mounting Plate



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OMNI
EZ HD TVI

 **KEZ-c2DR28V12**

1080p HD Over Regular Coax or UTP
Outdoor Dome: Digital Day/Night, OSD
2.8-12mm, IP68, -40°, Dual Voltage

KEZ-c2DR28V12: 2.8-12mm



1080p HD Over Regular Coax or UTP
Outdoor Dome: Digital Day/Night, OSD
2.8-12mm, IP68, -40°, Dual Voltage

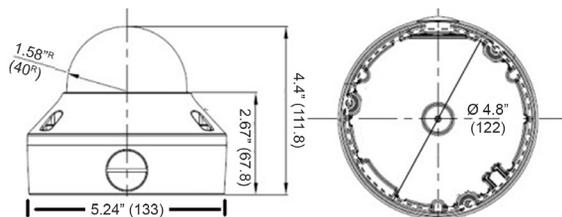
Features

- 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
- 1/3" Sony 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
- Digital Day/Night low light operation plus Digital Slow Shutter low light enhancement
- 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 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
- IP68 water proof, vandal proof construction
- Operating temperature range of -40°F~140°F
- Easy mounting using 3-Axis positioning for convenient wall or ceiling mounting
 - Optional KA-RCMP1 for mounting to standard electrical boxes
 - Optional KA-RCWM1 wall mounting arm

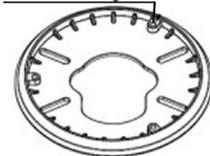
*DSS levels above 4X should be used only after careful consideration of scene dynamics

Dimensions: Inches (mm)

Accessories:



Camera Mounting Hole



KA-RCMP1
Optional
Electrical Box
Mounting Plate

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
Picture Elements	1984 (H) x 1105 (V)
Effective Picture Elements	1920 (H) x 1080 (V)
Horizontal Resolution	More than 1080 HTVL (in 1080p mode)
Sensitivity	.5 lux @ F1.6 (AGC On)
Day/Night Type	Digital Day/Night
Lens Type	2 Megapixel Varifocal Type 2.8~12mm F=1.6
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
DWDR / 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	Digital D/N; 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
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: 230mA, 24VAC: 2.5W
Operating Temperature	-40 °F ~ 140 °F (-40 °C ~ 60 °C)
Environmental	IP68 water proof
Mechanical	Vandal proof metal construction
Positioning	3-axis flexible positioning for wall or ceiling mounting
Dimensions	Ø5.24" x 4.4" [Ø133 x 111.8mm]
Weight	1.6 lbs./ 725 Kg
Mounting Options	Electrical box adapter: KA-RCMP1; Wall mount arm with ring: KA-WM101
Certifications	CE / FCC / RoHS



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OMNI
EZ HD TVI

 **KEZ-c2TR4IR**

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

OMNI EZ HD TVI

KEZ-C2TR4IR

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

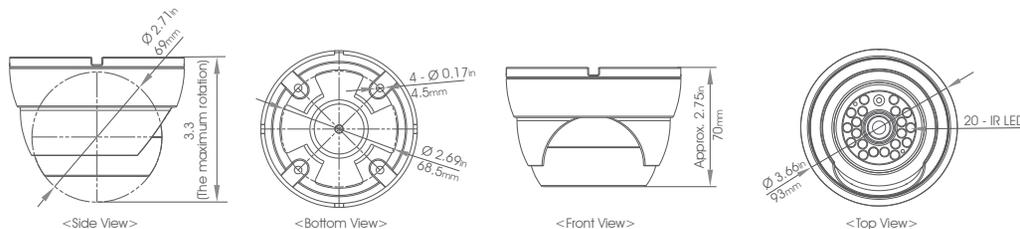
Features

- Superlative HD resolution of 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:

Imaging Device	1/2.8" Progressive Scan CMOS
Video Format	Main Output: 1080p/720p HD-TVI 30/25 FPS (OSD selectable) Secondary Output: Full time CVBS (OSD selectable NTSC/PAL) aux video
Picture Elements	1984 (H) x 1105 (V)
Effective Picture Elements	1920 (H) x 1080 (V)
Horizontal Resolution	More than 1080 HTVL (1080p mode)
Sensitivity	0 lux IR on
Day/Night Type	True Day/Night with ICR motorized filter control
Lens Type	Megapixel Fixed Focal Length f=3.6mm board type
IR LED	20 LED, 850nm
IR Range	66' / 20m †
Smart IR Exposure Adjust	Adjustable Off/low/mid/high
Video Output Connector Type	TVI and CVBS: BNC 75Ω
Sync. Mode	Internal
OSD Menu	Multiple functions using UTC Control
OSD Languages	English, Spanish, Portuguese, German, Russian, Japanese, French
UTC Control	Full OSD Menu access via up-the-cable (Coaxitron® type) signaling
DWDR/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
Digital Slow Sutter (DSS)	DSS low light boost Off/Auto 2X-16X*
3D-DNR	Off/Low/Mid/High
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
Power Consumption	12VDC:390mA
Operating Temperature	14 °F ~ 122 °F (-10 °C ~ 50 °C)
Environmental	IP66 weather resistant
Mechanical	Metal ball and base, with base removable for easy mounting
Positioning	3-axis flexible positioning for wall or ceiling mounting Pan: 0-360° Tilt: 0-70° Rotate: 0-360°
Dimensions	Ø5.14" x 3.67" (Ø93 x 63mm)
Weight	.73 lbs./332g
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.