OMNI
EZ HD TVI

KEZ-c2DI28V12IR

1080p HD Over Regular Coax or UTP
Indoor IR Dome, True Day/Night, 3-Axis, 2.8-12mm
66' Smart IR Range, Easy Twist & Lock Mount

KEZ-c2DI28V12IRW: 2.8-12mm, White | **KEZ-c2DI28V12IRB:** 2.8-12mm, Black

KT&C INNOVATIVE
HIGH DEFINITION SURVEILLANCE

OMNI EZ HD TVI

KEZ-c2DI28V12IR

Badges: 1080p | True Day/Night | Digital WDR | 100´ Optimized IR Range | 2.8-12 mm | Low Light Performance | 3 Axis | BLC HLC | Service Video | DC12 Dual Voltage AC24V | Easy Twist Mount | OSD/UTC Up The Cable Control | Privacy Mask | 3D DNR | Direction Liner

1080p HD Over Regular Coax or UTP
Indoor IR Dome, True Day/Night, 3-Axis, 2.8-12mm
66' Smart IR Range, Easy Twist & Lock Mount

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 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*
  - 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
- Choice of black or white plastic housing (2 models) to blend or contrast with the décor
- 3-Axis positioning for convenient wall or ceiling mounting\
  - Easy-mount twist-on mounting plate
  (attach plate; housing covers/locks onto plate; or, mount directly on surface)
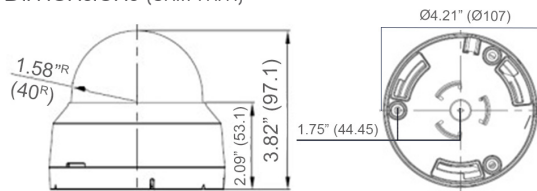 - Optional KA-ICMP1 with integral twist-on for mounting to standard electrical boxes

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

Dimensions (Unit: mm)

1.58"R (40R)
2.09" (53.1)
3.82" (97.1)
Ø4.21" (Ø107)
1.75" (44.45)
1.11"R (28.2)

FC CE

Accessories

KA-ICMP1 Easy Twist Juction Box Plate

Technical Specifications

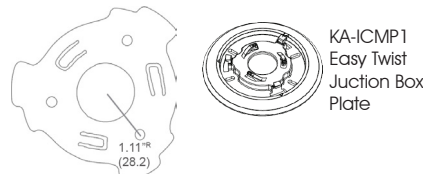| Imaging Device	1/3" Sony 2.1Mp Progressive Scan CMOS
Video Format	Main Output: 1080p30/25, 720p60/50 HD-TVI (OSD selectable) Secondary Output: CVBS (OSD selectable NTSC/PAL) service video test point
Picture Elements	1984 (H) x 1105 (V)
Effective Picture Elements	1920 (H) x 1080 (V)
Horizontal Resolution	More than 1080 HTVL (in 1080p mode)
Sensitivity	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 (*As with all IR cameras, IR range will vary based on scene IR reflectivity and illumination)
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	-14 °F ~ 122 °F (-10 °C ~ 50 °C)
Environmental	Indoor, up to 80% RH
Mechanical	Three axis positioning; plastic housing with snap on cover; clear bubble for maximum light transmission, with integral liner to inhibit observation of camera direction; choice of black body (B suffix) and white body (W suffix)
Mounting	Included easy-mount twist-on plate (attach to surface; housing base locks to plate); or, mount camera directly to surface if desired. Optional rough-in box adapter with integral twist-on fits 1 or 2 gang boxes or 4" octagonal boxes
Dimensions	4.21" (107mm) diameter, 3.82" (97.1mm) high With box adapter 5.91" (150mm) diameter x 4.18" (106.1mm) high
Weight	9.12 oz./ 0.57 lb. / 260 g
Mounting Options	Junction Box Adapter Plate KA-ICMP1
Certifications	CE / FCC / RoHS

www.ktncusa.com

KEZ-c2DI28v12IRW: 2.8-12mm, White | KEZ-c2DI28V12IRB: 2.8-12mm, Black

†As with all IR cameras, IR range will vary based on scene IR reflectivity and illumination
KT&C America, Inc. reserves the right to make changes to improve our products at any time without notice; we are not responsible for misprints.