



OMNI
EZ HD TVI

 **KPC-c1DI28V12IR**

720p HD Over Regular Coax or UTP
Indoor IR Dome, True Day/Night
3-Axis, 2.8-12mm, DC12V



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Features

- Superlative HD resolution of 720p60 for amazing image quality and useful digital zoom
- HD-TVI HD BNC output, plus CVBS analog BNC output and Service Video inside housing**
- Operation over 'almost any' wire
 - Over 1000 feet on standard RG59 coax; longer distances on RG6
 - Over 500' on one pair from a Cat5e cable (using optional KA-HDBAL1 balun pair).
- 1/3" progressive scan CMOS sensor with .001 lux native light sensitivity
- Varifocal Megapixel 2.8~12mm F=1.4 lens to capture the desired field of view (78°~28° FOV)
- Digital Wide Dynamic Range to handle challenging of bright or unbalanced lighting conditions
- Digital Slow Shutter (Sens-Up) low light enhancement*
- True Day/Night zero light operating range of 100 feet or more[†] 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 5-axis joystick inside dome
 - Up-the-cable control from OMNI EZHD recorders (or other compatible Coaxitron® control equipment)
 - Digital Wide Dynamic Range for bright or unbalanced scene lighting conditions
 - Adjustable 3D Noise Reduction to increase low light picture clarity and conserve DVR HDD disk space
 - Privacy masking for 8 configurable zones
- Integral liner inhibits observation of camera direction
- Convenient mounting on wall or ceiling mounting with 3-Axis positioning
- Mounting options:
 - Integral Easy-Mount Twist-Lock mounting plate
 - Attach to surface or to 1- or 2-gang electrical box
 - Place dome base over plate and twist to lock in place
 - Flush Mount KA-DIIC1 for low profile appearance on ceiling or in walls
 - Pendant Mount KA-DITM1 to attach from overhead
 - Wall Mount KA-DIWM1 positions the dome off the wall facing downward
 - Pole Mount KA-BRPM1 and Corner Mount KA-BRCM1 attach to structure
- Operating temperature range of -4°F ~ 140°F
- 12VDC operation with low (290mA) current draw



Technical Specifications

Imaging Device	1/3" Progressive Scan High Sensitivity CMOS
Video Format	Main Output: 720p60(50) HD-TVI Secondary Output: CVBS** (OSD selectable NTSC/PAL)
Picture Elements	1305 (H) x 1049 (V)
Effective Picture Elements	1280 (H) x 720 (V)
Horizontal Resolution	More than 1000 HTVL
Sensitivity	0 lux IR on; sensor .001 lux @ F1.2 (AGC On); .0014 lux @ F1.4 (AGC On)
Lens Type	Megapixel Varifocal Type 2.8~12mm F=1.4 IR corrected
Angle of view	78°(2.8mm) ~ 28°(12mm)
IR LED	24 IR LEDs, 850nm (Can be disabled in OSD if desired)
IR Range	100 Foot IR Range [†]
Smart IR Exposure Adjust	Active when IR enabled
S/N Ratio	Over 62dB (NR On)
Video Output Connector Type	TVI and CVBS: BNC 75Ω Test Video** CVBS video test point inside dome, cable to BNC supplied
Sync. Mode	Internal
OSD Menu	Multiple functions using 3-axis joystick inside dome; UTC Control
OSD Languages	English, Chinese
UTC Control	Full OSD Menu access via up-the-cable (Coaxitron® type) signaling
Auto Gain Control	Off/low/Middle/High
Electronic Shutter	Auto; or 1/60 (50) to 1/50,000
White Balance	Auto/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
Sens-Up	DSS low light boost Off/Auto 0~16*
3D-DNR	Off/Low/Middle/High
Digital Wide Dynamic Range	Global AE/DWDR
Mirror/Flip	Off, H, V, H/V (rotate)
Motion Detection	Off/On for 4 selectable zones
Privacy Mask	Off/On for 8 selectable zones
Other OSD Functions	Digital zoom, Contrast, Sharpness
Power Source	12VDC
Power Consumption	12VDC; 290mA IR LED On
Operating Temperature	-4 °F ~ 140 °F (-20 °C ~ 60 °C)
Environmental	Less than 90% RH, non-condensing
Mechanical	Twist-open plastic housing with integral liner to inhibit observation of camera direction; integral Easy-Mount Twist-Lock mounting plate also fits 1- and 2-gang electrical boxes
Positioning	3-axis flexible positioning for wall or ceiling mounting Pan: 0~355° Tilt: 0~90° Rotate: 0~355°
Dimensions	Ø5.35" x 3.98" [Ø136 x 101 mm]
Weight	.84 lbs./380g
Mounting Options	Flush In Ceiling Mount KA-DIIC1; Pendant Mount KA-DITM1; Wall Mount KA-DIWM1; Pole Mount KA-BRPM1; Corner Mount KA-BRCM1
Certifications	CE / FCC / RoHS

