KT&C INNOVATIVE
HIGH DEFINITION SURVEILLANCE

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Resolution 960

KPC-N501

Ordering Information

NTSC Models		
KPC-N501NUB	2.8~12mm VF	Black
KPC-N501NUW	2.8~12mm VF	White
PAL Models		
KPC-N501PUB	2.8~12mm VF	Black
KPC-N501PUW	2.8~12mm VF	White

Resolution 960 Series 750+HTVL
Invisible IR True D/N Dual Voltage
IP66 Bullet Camera

KT&C INNOVATIVE
HIGH DEFINITION SURVEILLANCE

Resolution 960

KPC-N501

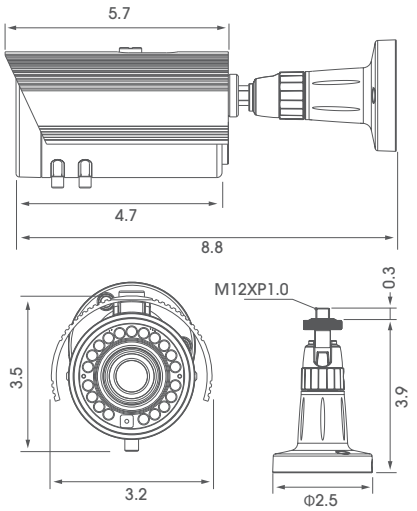
Resolution 960 Series 750+HTVL Invisible IR True D/N Dual Voltage IP66 Bullet Camera

750 TVL | 80' INVISIBLE IR | EXTERNAL ADJUST VARIFOCAL LENS | REFLECTION REDUCING DUAL COVER | BLC HLC | MOUNT PROTECTS CABLES

IP66 | OSD | Digital WDR/ATR | DNR | SERVICE VIDEO | TRUE DAY&NIGHT

Anti-CR | DC12 DUAL POWER AC24V

General Feature Diagram (Unit: inch)



Key Features

- Superlative resolution of over 750 horizontal TV lines for amazing image quality
- EXview HAD 960H CCD II for high sensor IR sensitivity
- Varifocal 2.8~12 mm DC iris lens to capture the desired field of view
- True Day/Night, 20 Invisible IR LEDs (82 feet or more depending on scene reflectivity)
- "Invisible" (940 nm) IR LEDs cannot be seen by the human eye
- Reflection preventing dual section cover glass isolates IR emitters from lens to prevent image distortion
- Simple and easy to use OSD setup menu
  - Adaptive Tone Curve Reproduction (ATR)
  - Electronic Wide Dynamic Range to properly expose images during unbalanced light contrast in the scene
  - Anti Color Roll white balance option resists fluorescent light interference
  - Optional Back Light Compensation (BLC) and Highlight Compensation (HLC)
  - Adjustable 2D-Noise Reduction to increase picture clarity and improve utilization of DVR disk storage
  - Privacy image masking for 4 configurable zones
- Dual voltage (12V DC/ 24V AC) with Anti Color Roll
- IP66 (Weather Resistant)
- Extreme Operating temperature down to -40 degrees
- External lens adjustment and service Video output for convenient installation, and ease of service
- 3-axis bracket conceals and protects cable
- Five year warranty

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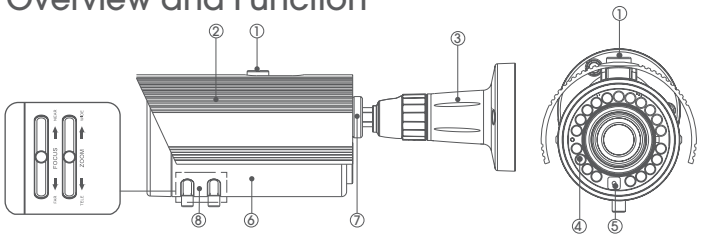
FC CE

Overview and Function



Technical Specification

Model	N501NU	N501PU
Imaging Device	1/3" Sony Exview HAD II 960H High Sensitivity Interline CCD	
Video Format	NTSC	PAL
Picture Elements	1020 (H) x 508 (V)	1020 (H) x 596 (V)
Effective Picture Elements	976 (H) x 494 (V)	976 (H) x 582 (V)
Horizontal Resolution	More than 750 TVL	
Sensitivity	0 lux with Invisible* IR on 0.0001 lux native from sensor – no ghosting	
Invisible* IR LEDs	20 LEDs with output at 940 nm *IR illuminators operating at 940nm cannot be seen by the human eye.	
Invisible* IR Range	82 feet or more (depending on scene Invisible IR reflectivity)	
Invisible* IR Switch Points	On at ~1 lux; Off at ~3 lux	
S/N Ratio	Over 50dB (AGC off)	
Video Output	BNC 1.0V p-p 75 Ω; video test point inside dome, cable supplied	
Picture Adjust	Gamma 0.45 nominal; adjustable brightness, contrast, saturation, hue and gain	
Lens Type	Varifocal 2.8~12 mm Megapixel DC Iris Type	
Positioning	Flexible positioning for wall or ceiling mounting	
Back Light Compensation	OFF / BLC / HSBLC Selectable	
Auto Gain Control	Low light auto, Bright light auto, Manual selectable	
Electronic Shutter	1/60 ~1/100,000 sec.	
White Balance	ATW / One Push / User1 / User2 / Anti-Color Roll / Manual / Push Lock	
Sync. Mode	Internal (plus Anti-Chroma Crawl White Balance option above)	
Day & Night	True D/N with motorized Invisible IR cut filter; Choose Color, B/W, Auto	
OSD Menu	Multiple functions	
OSD Languages	English, Spanish, Portuguese, German, Russian, Japanese, Chinese, French	
2D-DNR	On/Off (level adjustable)	
Adaptive Tone Curve Reproduction/ Electronic WDR (ATR)	On/Off (3 levels each adjustable for luminance and contrast)	
Mirror	Off/On	
Motion Detection	Off/On for 4 selectable zones (On screen indication on alarm)	
Privacy Mask	Off/On for 4 selectable zones	
Power Source	12V DC / 24V AC	
Power Consumption	12V DC: max. 360mA / 24V AC: max. 4.9W	
Operating Temperature	-40 °F ~ 122 °F (-40 °C ~ 50 °C)	
Storage Temperature	-4 °F ~ 140 °F (-20 °C ~ 60°C)	
Environmental	IP66 (Weather Resistant)	
Mechanical	Metal housing with sun shield; rear weather sealed rear access port for OSD menu and video test point	
Dimensions	Body alone (across sunshield): 3.23" diameter/5.12" long ; 8.72" in line, longest extension; in 90° position, ~8.25" long and ~5.4" high	
Weight	1.55 lbs (0.7 kg)	
Certifications	CE / FCC / ROHS	
Warranty	5 years	

KT&C INNOVATIVE
HIGH DEFINITION SURVEILLANCE

Resolution 960

KPC-IRBULLET30

Resolution 960 Series 750+HTVL
IR True D/N Dual Voltage
IP66 Bullet Camera

- Superlative resolution of over 750 horizontal TV lines for amazing image quality
- 960H CCD II for high sensor IR sensitivity
- Varifocal 2.8~12mm DC iris lens to capture the desired field of view
- True Day/Night zero light operating range of 80 feet or more from 20 IR LEDs*
- Reflection preventing dual section cover glass isolates IR emitters from lens to prevent image distortion
- Simple and easy to use OSD setup menu
  - Adaptive Tone Curve Reproduction (ATR)/Electronic Wide Dynamic Range to properly expose images during unbalanced light contrast in the scene
  - Anti Color Roll white balance option resists fluorescent light interference
  - Optional Back Light Compensation (BLC) and Highlight Compensation (HLC)
  - Adjustable 2D-Noise Reduction to increase picture clarity and improve utilization of DVR disk storage
  - Privacy image masking for 4 configurable zones
- Dual voltage (12VDC/24VAC) with Anti Color Roll
- IP66 weather resistant
- External lens adjustment and service Video output for convenient installation, and ease of service
- Extreme Operating temperature down to -40 degrees
- 3-axis bracket conceals and protects cable

750 TVL | 80' IR | EXTERNAL ADJUST VARIFOCAL LENS | REFLECTION REDUCING DUAL COVER | BLC HLC | MOUNT PROTECTS CABLES | TRUE DAY&NIGHT

IP66 | OSD | Digital WDR/ATR | DNR | SERVICE VIDEO | Anti-CR | DC12 DUAL POWER AC24V

Technical Specifications

Imaging Device	1/3" 960H High Sensitivity CCD
Video Format	NTSC –or- PAL (separate models)
Picture Elements	NTSC: 1020(H)x508(V) PAL:1020(H)x596(V)
Effective Picture Elements	NTSC: 976(H) x 494(V) PAL:976(H) x 582(V)
Horizontal Resolution	More than 750 TVL
Lens Type	Varifocal 2.8~12mm Megapixel DC Iris Type
Sensitivity	0 lux with Smart IR; 0.001 lux native from sensor – no ghosting
Smart IR LEDs	20 LEDs with output at 850nm
Smart IR Range	100 feet or more (depending on scene IR reflectivity)
Smart IR Switch Points	On at ~1 lux; Off at ~3 lux
S/N Ratio	Over 50dB (AGC off)
Video Output	BNC 1.0V p-p 75Ω; video test point inside dome, cable supplied
OSD Menu	Multiple functions
OSD Languages	English, Spanish, Portuguese, German, Russian, Japanese, Chinese, French
Picture Adjust	Gamma 0.45 nominal; adjustable brightness, contrast, saturation, hue and gain.
Day/Night	True D/N with motorized IR cut filter; Choose Color, B/W, Auto
Digital WDR	Off/On level adjustable
Back Light Compensation	OFF/On with Selectable area and level
Highlight Compensation	OFF/On with Selectable area and level
Auto Gain Control	Off/Low/Mid/High
Electronic Shutter	1/60 ~1/100,000 sec.
Gamma	0.45 nominal; adjustable for indoor/outdoor/manual color temperature and red/blue levels
White Balance	ATW/AWC Set/Anti-Color Roll/Manual
Sync. Mode	Internal (plus Anti-Chroma Crawl White Balance option above)
2D-DNR	Off/On level adjustable
Horizontal Mirror	Off/On
Motion Detection	Off/On for 4 selectable zones (On screen indication on alarm)
Privacy Mask	Off/On for 8 selectable zones
Lens Shading Compensation	Off/On with selectable level and center point
Defective Pixel Compensation	Manual, with area and threshold settings
Display Optimization	Choose CRT/LDC, with selectable color levels
Power Source	12VDC/24VAC
Power Consumption	12VDC:360mA max. / 24VAC:4.9W max.
Operating Temperature	-40°F~140°F ; -40°C~60°C
Storage Temperature	-40°F~140°F ; -40°C~60°C
Environmental	IP66 weather resistant
Positioning	Flexible positioning for wall or ceiling mounting
Mechanical	Metal housing with sun shield; rear weather sealed rear access port for OSD menu and video test point
Dimensions	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 pounds / .9 kg.
Certifications	CE / FCC / ROHS
Warranty	5 years

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KPC-IRBULLET30B: Black | KPC-IRBULLET30W: White

†As with all IR cameras, IR range will vary based on scene IR reflectivity and illumination

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