



## Smart IR Outdoor Bullet Color Camera

- 700TVL Horizontal Resolution
- 45 Units of Smart IR LED with Max. 150ft
- Lens options: 2.8~12mm or 9.0~22mm
- Waterproof (IP67) with Dual Window Structure
- External Zoom & Focus Adjustable
- True Mechanical Day & Night
- ATR / HLC / Privacy Masking / Motion Detection / Mirror
- Multilingual OSD
- Adaptive Tone-curve Reproduction (ATR)
- DC 12V / AC 24V Dual Power

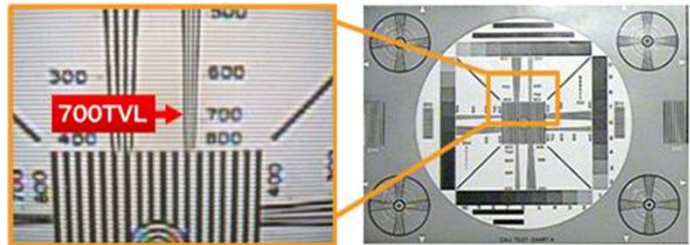


### Key Features

- 45 Units of Smart IR LED
- 1/3" 960H Interline CCD
- 700TVL Horizontal Resolution
- Outstanding Durability with IP67
- Varifocal (2.8~12mm or 9~22 mm)
- True Mechanical Day & Night
- Fast Shutter Speed (1/60 ~ 1/100,000 sec)
- Adaptive Tone-curve Reproduction (ATR)
- Back Light Compensation (BLC)
- Highlight Compensation (HLC)
- 4 Zone (Privacy Masking / Motion Detection)
- Mirror / Brightness / Contrast / Sharpness / HUE / Gain
- Multilingual On Screen Display (OSD) Menu
- DC 12V / AC 24V Dual Power
- Second Video Output Terminal for Easy Servicing

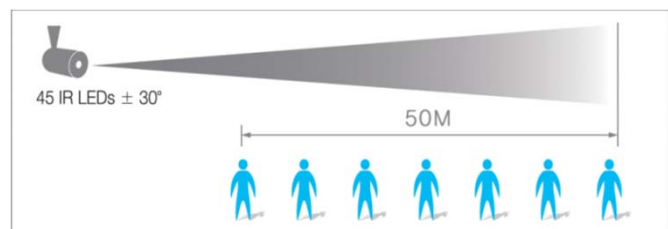
### Superior Image Resolution of 700 TV Lines

27% more effective pixel than previous generation of high resolution camera would bring up the quality of the image immensely. Experience the clarity of 700 TVL resolution. Ideal for discrete locations, transit industry, financial Institutions and more. Practical choice for both indoor and outdoor environments.



### 45 High Performance Smart IR LEDs

KPC-N701NU is equipped with 45 units of high performance smart IR LEDs that adjust the IR LED's strength so that the user can have the best image possible regardless of the distance from the camera to an object. This camera can cover the reliable video surveillance up to 150 feet.

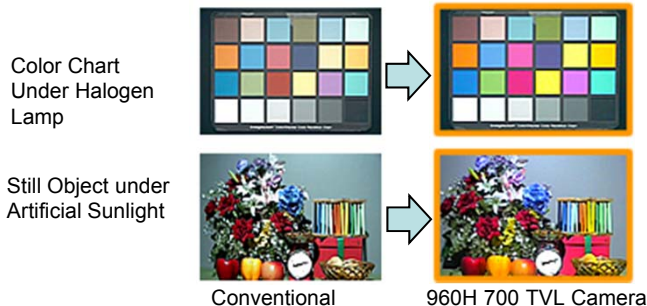


\* Specifications & Features are subject to change without prior notice.

**Part No.: KPC-N701NU**

**High Color Reproduction**

KPC-N701NU is equipped with excellent color reproduction and wide range of ATW mode.(1,800K to 10,500K)



**Convenient OSD Menu**

All camera operation can be controlled by OSD (On-Screen Display) menu on the monitor screen so that users can adjust this camera for optimal setting with great convenience.

**Privacy Image Masking**

For the privacy protection in the open area observation, some particular area can be masked for privacy purposes. Users can easily setup the masking areas of the desired zones. 4 Privacy Zone available.

**Motion Detection**

KPC-N701NU detects a motion of any objects on the screen and transmits alert signal into the external alarm to have user's attention on the screen.

**2D Digital Noise Reduction (2D DNR)**

The amount of low luminance noise is remarkably reduced and signal-to-noise ratio (S/N) as well as horizontal resolution dramatically improved, it results in a clear and sharp image display even in the dark lighting condition.



**ATR(Adaptive Tone-curve Reproduction)**

KPC-N701NU provides gradation compensation to improve the contrast of subjects in both low-luminance areas and high luminance areas in the same picture.



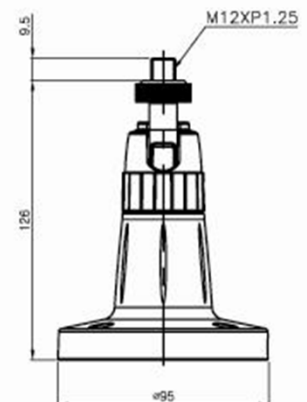
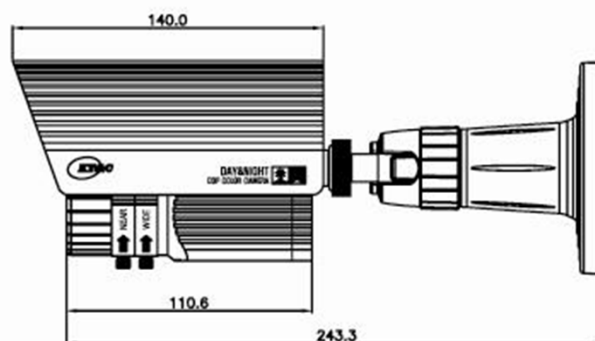
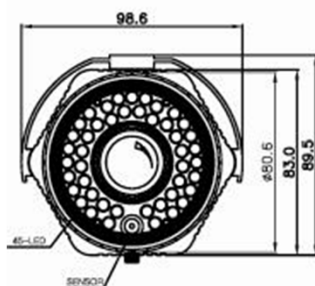
**Outstanding Durability with IP67**

With Dust and Rain Resistant Design, this camera boasts IP67 rating that resist dust and rain of outdoor environment. It can be a perfect solution for outdoor surveillance, such as building eaves, loading docks, factories, storage yards and so on.



**General Feature Diagram**

(Unit: mm)



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## Technical Specification

Model		KPC-N701NU	
Signal System	NTSC	PAL	
Image Sensor	1/3" 960H Interline CCD		
Scanning System	2:1 Interlace		
Horizontal Resolution	700TV Lines		
Scanning Frequency (H)	15.734 KHZ	15.625 KHZ	
Scanning Frequency (V)	59.94 Hz	50 Hz	
Total Pixels	1020(H) x 508(V)	1020(H) x 596(V)	
Effective Pixels	976(H) x 494(V)	976(H) x 582(V)	
Synchronization	Internal		
Lens Size	Varifocal 2.8 ~12.0 mm, 3.8 ~ 9.5 mm, or 9 ~ 22 mm		
S/N	More than 50dB (AGC Off)		
Gamma	r = 0.45		
Min. Illumination	0 Lux (IR LED On)		
Shutter Speed	1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec	
IR LED	Smart IR (850 nm), 45 ea, up to 50m		
IR LED Operation	On (1 Lux), Off (3 Lux)		
Day & Night	True Mechanical Day & Night (ICR)		
Video Output Level	1Vp-p Composite (75Ω)		
IP Rating	IP67 (Waterproof)		
Function	On-Screen Display (OSD)	Built-in (Inner Key / Joystick)	
	BLC	Off / BLC / HLC	
	2DNR	On / OFF (Level Adjustable)	
	ATR	On / OFF (Level Adjustable)	
	White Balance	ATW / Push / User1 / User2 / Anti CR / Manual / Push-lock	
	Privacy Masking	4 Zones	
	Mirror	On / Off	
	Motion Detection	4 Zones	
	Other Function	Brightness / Contrast / Sharpness / HUE / Gain	
	Language Option	English / Japanese / German / French / Russian / Portuguese / Spanish	
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)		
Storage Temperature	-20 °C ~ 60 °C (-4 °F ~ 140 °F)		
Dimension (mm)	78 Φ x 110.5mm		
Power Supply	DC12(±10%),Max 1.1A (IR & Heater On) / AC24(±10%),Max 21W (IR & Heater On)		

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