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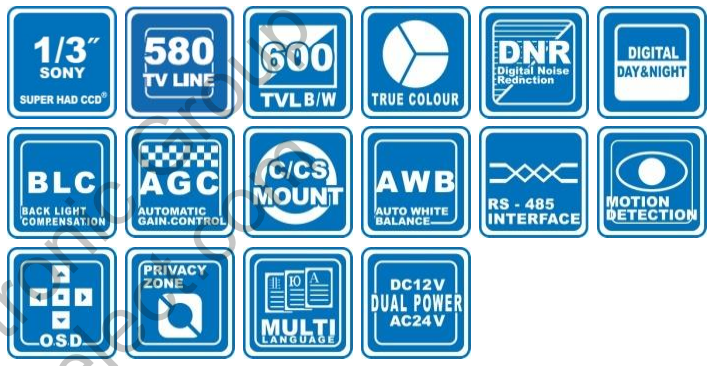
Innovative Professional Box Camera

- 580TVL Horizontal Resolution
- 2D+3D DNR (Digital Noise Reduction)
- Digital Day & Night
- 0.001 Lux / F1.2 (Sense-Up x 256)
- C/CS Mount Lens
- Privacy Image masking (8 Zones)
- Convenient ODS Menu Control
- Dual Power of DC12V / AC24V

Option Color: Ivory

Key Features

- Sony 1/3" Super HAD CCD
- 580TVL(Color) /600TVL (B/W) H. Resolution
- 2D+3D Digital Noise Reduction (DNR)
- Digital Day & Night
- C/CS Mount Lens (Lens Sold Separately)
- Convenient OSD (On Screen Display) Control
  (English, French, Espanol, Japanese, Portuguese)
- RS-485 Interface
- BLC Compensation (Zone & Level Setting)
- Motion Detection
- Sense-Up Function
  (Low Sensitivity 0.001 Lux at sense-up X256)
- Privacy Image masking up to 8 areas
- DC and AC Dual Power supply



Low Sensitivity of 0.001 lux at Sense-up X256

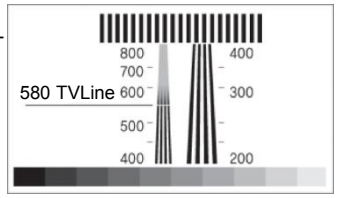
This camera incorporates 1/3' Sony Super HAD CCD that provides extreme clear B/W image and advanced sensitivity at night with Sense-up X256

Conventional Camera

KPC-4300NH

Super High Resolution of 580 TV Lines

The new advanced Sony Super HAD CCD and DSP chipset Built-in KPC-4300 provides you the world highest horizontal resolution up to 580 TV Lines for color. User can expect extremely clear and excellent visual image quality



Conventional Camera

KPC-4300NH

2D+3D Digital Noise Reduction

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

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

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Part No.: KPC-4300NH

Digital Day & Night

High advanced program built-in, KPC-4300NH Provides true Color Image at day time and real B/W Image at night time. With DNR function as well, digital day & night will enhance light sensitivity for monochrome mode and clear picture will be delivered at lower cost.

Back Light Compensation Zone & Level

According to the various user environments, user can position the backlight compensation zone and set levels to optimize desired picture

BLC Off

BLC On

Convenient OSD Menu

All camera operation can be controlled by OSD (On-Screen Display) menu on the monitor screen that users can adjust this camera for optimum setup with great convenience. This diagram shows the rear back panel for better understanding on OSD menu controller.

Privacy Image Masking

For the privacy protection in the open area observation, some particular area can be masked for privacy purposes. User can easily setup the masking sizes and positions of the desired zones. 8 Privacy Zone available.

Motion Detection

When user is simultaneously monitoring at the same time, KPC-4300 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

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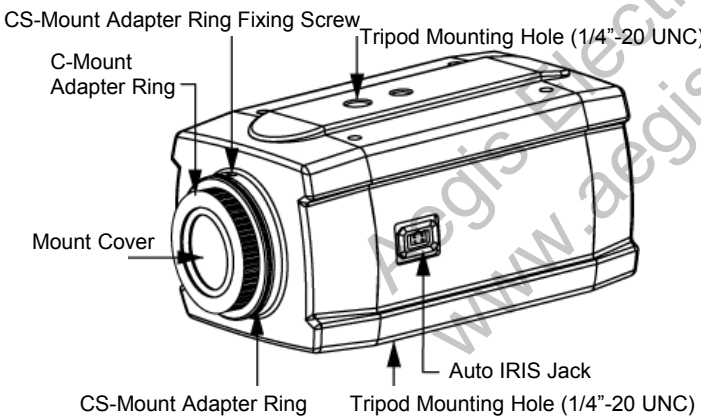
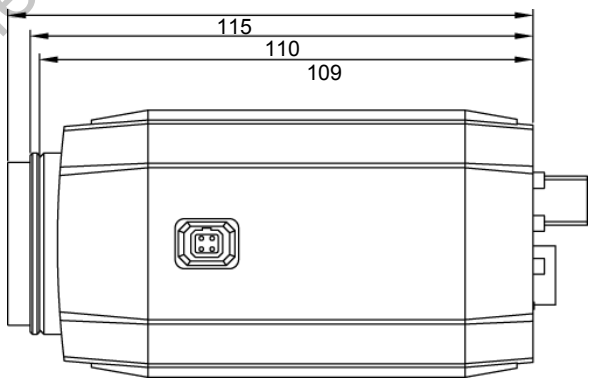
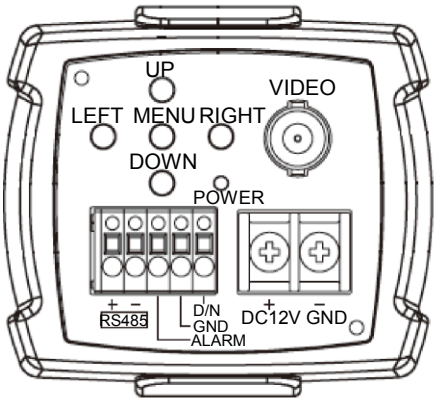
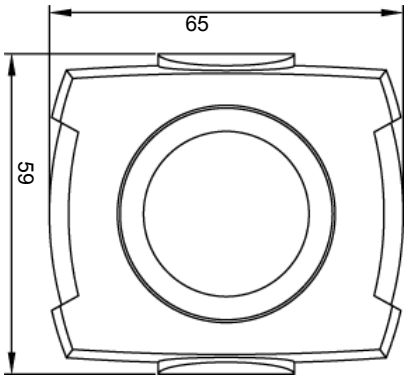
General Feature Diagram

(Unit: mm)









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Part No.: KPC-4300NH

Technical Specification

Model		KPC-4300NH		KPC-4300PH	
Signal System		NTSC		PAL	
Image Sensor		1/3" Sony Super HAD CCD			
Scanning System		2:1 Interlace			
Scanning Frequency (H)		15.734 KHz		15.625 KHZ	
Scanning Frequency (V)		59.94 Hz		50 Hz	
Total Pixels		811(H) x 508(V)		795(H) x 596(V)	
Effective Pixels		768(H) x 494(V)		752(H) x 582(V)	
Synchronization		Internal			
Horizontal Resolution		580 TVL (Color) / 600 TVL (B/W)			
Lens Type		C/CS Mount / Video / DC / Manual Iris			
S/N Ratio		More than 52dB (AGC Off)			
Min. Illumination			50 IRE	25 IRE	15 IRE
		Sense-up OFF	0.4 lux	0.2 lux	0.12 lux
		Sense-up X256	0.001 lux	0.0007 lux	0.0004 lux
Gamma		λ = 0.45			
Shutter Speed		1/60 ~ 1/100,000 sec		1/50 ~ 1/100,000 sec	
Video Output Level		1Vp-p Composite (75Ω), Unbalanced			
Day & Night		Digital Day & Night			
OSD Function	**OSD**	Built-in			
	Sense-Up	X2 / X4 / X8 / X16 / X24 / X32 / X48 / X64 / X96 / X128 / X256			
	DNR	OFF / LOW / MID / HIGH / VERY HIGH			
	BLC	ON / OFF (Zone & Level Adjustment)			
	AGC	OFF / VERY LOW / LOW / MID / HIGH / VERY HIGH			
	White Balance	ATW / ATW2 / AWC / MANUAL			
	DIS	OFF / ON			
	Interface	RS-485 Protocol via Pelco-D			
	Language	NTSC: English, French, Español, Japanese, Portuguese PAL: English, French, German, Español, Italian			
	Digital Zoom	X1 ~ X10 (0.1 Step)			
Operating Temperature		-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)			
Storage Temperature		-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)			
Humidity		Less than 80%RH			
Power Supply		Dual : DC12 (±10%) Max 280mA / AC24 (±10%) Max 3.2W			
Dimensions		65mm (W) X 59mm (H) X 110mm (D)/ 2.56" (W) X 2.32" (H) X 4.33" (D)			

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