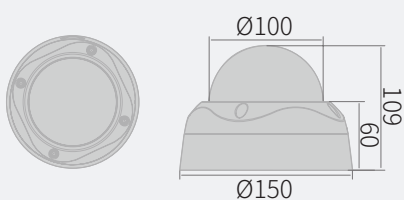


HD-SDI Camera

KPC-HNV303M

- 1/3" 2.12MP Progressive Scan CMOS
- 30 IR LEDs up to 45 m (148ft.)
- Varifocal Lens
- WDR, TDN, 3DNR, DSS, BLC
- IP66
- 12VDC Max. 400mA



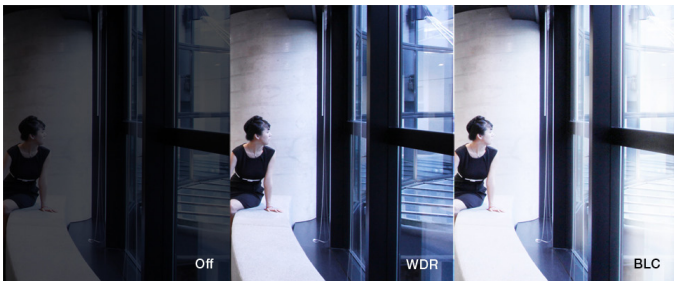
Features

KPC-HNV303M

1/3" 2.12MP Progressive Scan CMOS
30 IR LEDs up to 45 m (148ft.)
Varifocal Lens



WDR, TDN, 3DNR, DSS, BLC
IP66
12VDC Max. 400mA

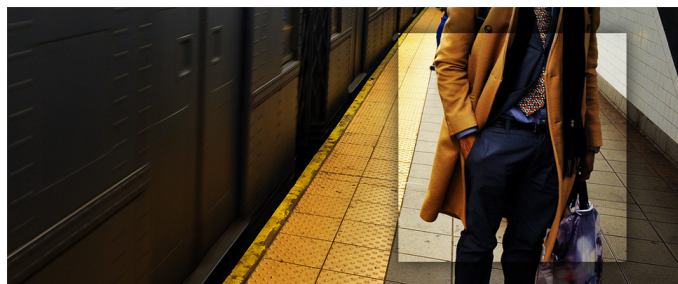


WDR

WDR technology helps to get detailed information in harsh lighting, by capturing alternate frames using different exposure times. The frame with longer exposure time captures details in darker parts of the scene, while the frame with shorter exposure time captures the brighter areas. The camera combines the optimal portions of these two complementary frames to produce the most detailed image possible.

TDN

True Day/Night feature can be used for precise color reproduction. With built-in dual filter system, as known as Infrared Cutoff Removal (ICR) mechanism, the infrared cutoff filter can be used at day time, or in bright lighting conditions, to provide enhanced image in full-color. At night time, or in harsh lighting conditions, it will be removed for greater light sensitivity in monochrome mode.

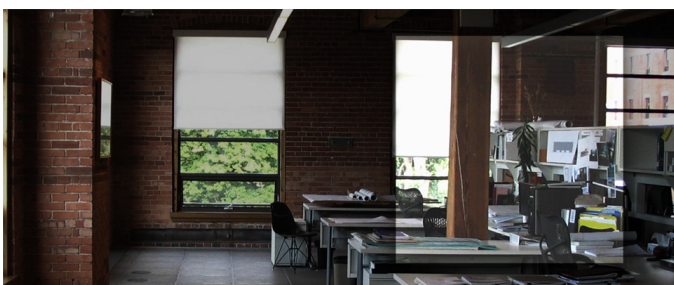


3DNR

DNR technology is crucial for surveillance camera. 3DNR works by analyzing the differences between successive frames in order to adjust pixels and improve.

DSS

Digital Slow Shutter (DSS) technology enhances the low light performance of a camera, producing outstanding images in low light conditions. DSS slows the picture frame rate and increases the camera's sensitivity.



BLC

BLC technology works by reducing the dynamic range of the entire image, while retaining the overall contrast. By compensating for unbalanced in a scene, detail is restored throughout the field of view so as to provide better visibility to identify an object of interest.

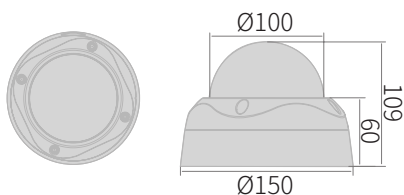
IP66

Ingress Protection (IP) rating defines protection against solid objects and liquid on a 0-6 and 0-8 scale. IP66 housing means it's dust-tight and protected against strong jet-water.

HD-SDI Camera

KPC-HNV303M

Dimensions



Specifications

Image Sensor	1/3" Progressive Scan CMOS
Effective Pixels	1944(H) x 1092(V), 2.12MP
Max. Video Resolution	1080p@30(25)fps / 720p@60(50)fps
Lens	f=2.8-12mm (2MP) / f=3.6-16mm (1.3MP) / f=3.5-16mm (3MP)
FOV	f=2.8-12mm (109.4°-37.8°(D)) / f=3.6-16mm (109.01°-27.79°) / f=3.5-16mm (108.86°-27.79°)
F-Stop	f=2.8-12mm (F1.6) / f=3.6-16mm (F1.2) / f=3.5-16mm (F1.2)
Min. Illumination (AGC Max)	0.03 Lux (F1.2, ICR Off, DSS Off) / 0.004 Lux (DSS Max.) / 0 Lux (with IR LED On)
S/N Ratio	>52dB
Shutter Speed	1/30(1/25) s - 1/30,000 s
IR LED	30 LEDs (850 nm)
IR Distance	45 m (148 ft.)
Day / Night	True D/N
White Balance	Auto / Auto ext / Push Lock / Manual
Digital Zoom Ratio	1x - 20x
WDR	WDR
BLC	Off / On

DNR	3DNR
DSS	Off - 32x
AGC	12dB - 60dB
Other Function(s)	FLIP (H/V/HV), HLMASK, SHARPNESS, D-ZOOM, DEFOG
Privacy Masking	16 zones
Motion Detection	Yes
Video Output (Main)	HD-SDI
Video Output (Service)	Composite
OSD Control	Built-in Controller
OSD Language	ENGLISH, RUSSIAN, SPANISH, GERMAN, FRENCH, PORTUGUESE, JAPANESE
Housing Material	Aluminium (Bubble : Plastic)
IP Rating	IP66
Operating Temperature	-40°C to 50°C (-40°F to 122°F) w/Heater
Max. Power Consumption	12VDC 400mA 12VDC 1.28A (Heater On) 24VAC 5.9W / 12VDC 490mA 24VAC 17W / 12VDC 750mA (Heater On)
Dimensions (W x H x D mm)	(Bubble Ø100) Ø150.5 x 108.5
Weight	Approx. 869 g (1.91 lbs)

Ordering Information

KPC-HNV303M (Not all combinations are possible)

Signal Type	Lens	Silk Printing	Color
NTSC	f=2.8-12mm (2MP)	KT&C-printed	Black
PAL	f=3.6-16mm (1.3MP)	OEM-printed	White
	f=3.5-16mm (3MP)	Non-printed	