

- 1/3" 1.3 MEGAPIXEL SONY PROGRESSIVE SENSOR
- 1100 TVL RESOLUTION
- VARIFOCAI LENS 2.8mm-12mm, IR Corrected
- 0,01 LUX (AGC On, IE Off)
- DIGITAL WIDE DYNAMIC RANGE
- SMART IR FEATURE
- IMPACT RESISTANT



With simplicity comes sophistication – The **Raphael** series brings the beauty of true high definition video into the world of analog camera technology.

The **Raphael series** embodies superb clarity and the highest visual achievement possible in video surveillance. Powered by a 1/3" 1.3 Megapixel Sony Progressive Image Sensor and our new "Raphael" DSP, these cameras produce an astonishing 1000TVL resolution with unmatched color reproduction. Bring any environment to life with more pixel density than ever before, allowing users to see even the smallest details. Enhanced 3D noise reduction and an extended dynamic range ensures accurate textures and sharp images for every angle. With Smart IR, the intensity of the LED's will increase or decrease depending on the distance of the objects the camera can see, this makes the picture at 0 lux clearer

Each Raphael comes with an array of great features. Durable Super Flux IR LED's make them ideal for night-time monitoring, and an onboard OSD control allows users to make adjustments to get the best picture in any environment. Its aesthetically pleasing IP66 rated concealed bullet camera design makes for easy installation for both indoor and outdoor applications.



#### OPTICAL INFORMATION

IMAGE SENSOR	1/3" 1.3 MegaPixel Sony Progressive Sensor
SIGNAL SYSTEM	NTSC
CAMERA TYPE	Color Day/Night with ICR filter
RESOLUTION	1100TVL
MINIMUM ILUMINATION	0.01 Lux (AGC On, IE Off) / 0 Lux with IR On
DYNAMIC RANGE	Digital Wide Dynamic Range
WHITE BALANCE	Auto/Manual
AGC	Auto/Fixed
BLC	Auto
ELECTRONIC SHUTTER	Auto
DIGITAL NOISE REDUCTION	3D Noise Reduction (On/Off)
OSD/CONTROL MODE	Yes, User Friendly ODS
Mirror	Horizontal & Vertical
Privacy Masking	8 User defined Windows
Zoom	2x Zoom
Motion Detection	4 areas
VIDEO OUTPUT	BNC

#### LENS

LENS TYPE	2.8-12 Vari-Focal IR Corrected
ANGLE OF VIEW	85 to 30 degrees
IRIS CONTROL	Auto

#### IR ILUMINATION

SMART IR	Yes, IR Correction
INFRARED WAVELENGTH	15pc Super Flux LED 850nm
INFRARED LAMP IRRADIATION DISTANCE	Up to 80ft

#### MECHANICAL

DIMENSIONS	226mm length x 77mm diameter (8.8"x3")
WEIGHT	520g (1lb)
3 AXIS DESIGN	Yes
VANDAL PROOF	Impact Resistant

#### ENVIRONMENTAL

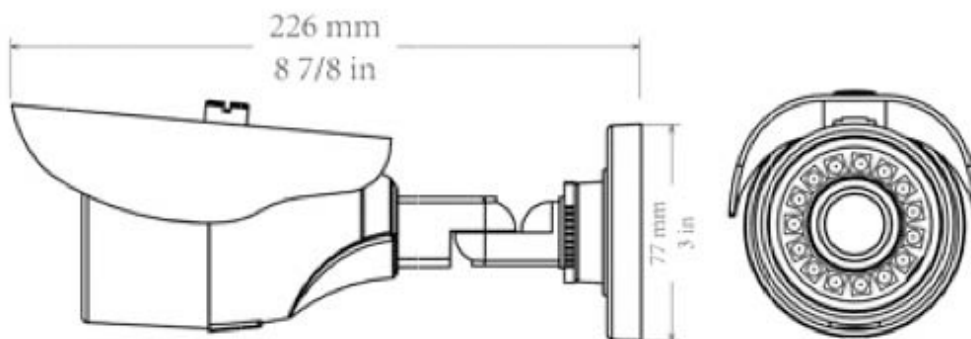
OPERATING TEMPERATURE	14F to 131F (-10C to 55C)
OPERATING HUMIDITY	10% - 85% RH
ENVIRONMENTAL PROTECTION	IP66

**ELECTRICAL**

INPUT VOLTAGE	12VDC @ 100mA (320mA IR ON)
POWER CONSUMPTION	<5W, 100mA
RECOMMENDED POWER SUPPLY	BP0004/S

**CERTIFICATIONS**

CE	Yes
FCC	Yes
RoHS Compliant	Yes

**General Dimensions****Recommended  
Power Supply****BP0004/S**