

- **1/3" 1.3 MEGAPIXEL SONY PROGRESSIVE IMAGE SENSOR**
- **1100 TVL RESOLUTION**
- **3.6mm LENS**
- **0,01 LUX (AGC On, IE Off)**
- **SMART IR FEATURE**
- **DIGITAL WIDE DYNAMIC RANGE**
- **VANDALPROOF**



When 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 1100TVL 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 from 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 "Snap-Fit" housing design makes for easy installation for both indoor and outdoor applications.

#### OPTICAL INFORMATION

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

#### LENS

<b>LENS TYPE</b>	3.6mm board mount IR Corrected
<b>ANGLE OF VIEW</b>	72 degrees
<b>IRIS CONTROL</b>	Auto

#### IR ILUMINATION

<b>SMART IR</b>	Yes, IR correction
<b>INFRARED WAVELENGTH</b>	10pc Super Flux LED 850nm
<b>INFRARED LAMP</b>	
<b>IRRADIATION DISTANCE</b>	40ft

#### MECHANICAL

<b>DIMENSIONS</b>	99mm height, 118 mm diameter (4.6 x 3.8 inch)
<b>WEIGHT</b>	360g (0.78ou lb)
<b>3 AXIS DESIGN</b>	Yes
<b>VANDAL PROOF</b>	Yes

#### ENVIRONMENTAL

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

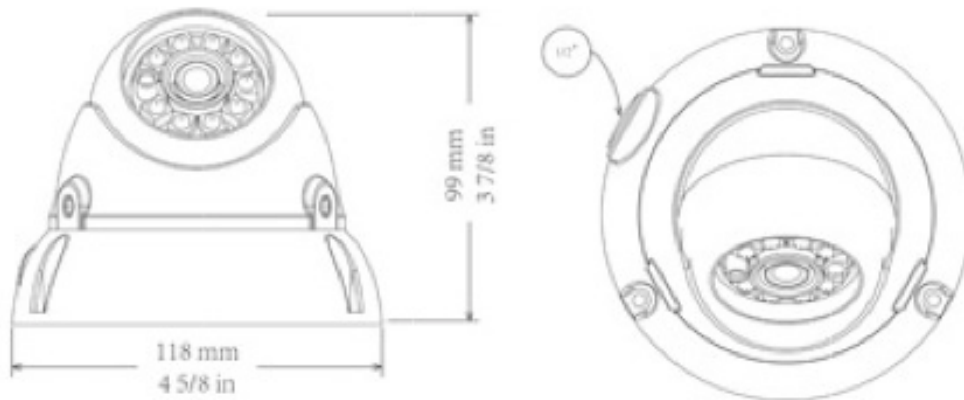
**ELECTRICAL**

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**