

# RF Concepts

## Night-view / Underwater B/W LED camera

**Clear View against total darkness!**  
**Complete waterproof design ! ( 50M deep)**  
**Live and vivid picture quality with built-in video-enhance technology !**  
**Plug & play with 60 feet long waterproof cable !**

### 37B IR-W

### Night-view / Underwater LED camera



This unit is specially designed for underwater monitoring applications. Waterproof under 50M deep is guaranteed. Built-in high sensitive IR LEDs enable it to picture at total darkness. It features 420TV Lines of high resolution. Standard unit comes with a 18 M(60') cable with BNC or RCA connector for video and a DC jack for power attached. There are 3 mounting holes on the camera so that users can install in any place such as on the ceiling, on the wall, on the fence, etc. Built-in reverse polarity protection.

### Specification

| SPEC.                    | 37B IR-W                            |
|--------------------------|-------------------------------------|
| Imager                   | 1/3" B/W CCD                        |
| Horizontal resolution    | 420 TV Lines                        |
| Picture element (pixels) | E:290k C:320k                       |
| Min.Illumination         | 0.0001 Lux at F2.0 (0.1lux led off) |
| Synchronizing system     | Internal                            |
| Scanning system          | 2:1 Interlaced                      |
| Video output             | 1Vp-p 75 ohm composite              |
| S/N Ratio (AGC off)      | More than 50 dB                     |
| Electronic iris (Auto)   | 1/50,1/60-1/100,000 sec.            |
| Gamma correction         | r = 0.45                            |
| Gain control             | Automatic                           |
| Lens mount               | Standard f=4.3(78')                 |
|                          | Option f=3.6(92')                   |
|                          | f=2.9(130')                         |
|                          | f=8.0(40')                          |
|                          | f=12 (28')                          |
| MTBF                     | 80,000 hours                        |
| Power source             | DC12V(Tolerance: 9V-15V)            |
| Operating current        | 180mA w/regulated power in          |
| Measurement              | 37mm(Dia) x 71mm(L)                 |
| Weight(Approx.g)         | 0.35 Kgs                            |

### Dimensions and Connection (Unit : mm)

Mounting on the bottom on the top on the rear

