**KEY FEATURES**

- Built-in IR (infrared) illuminators to assist capturing objects in the dark even under 0 lx, up to 98 feet (30 m) away

- High resolution (700 horizontal TV lines in sharp mode) and high sensitivity (Color: 0.06 lx, B/W: 0 lx F1.2, 50 IRE) achieved by a 1/3-type EXview HAD™ CCD II sensor and Sony’s new digital signal processor, Effio-E™

- IP66-rated waterproof and dust-tight feature for outdoor surveillance, or indoor where water ingress may pose an issue*

  * Based on Sony internal testing. Actual performance may vary based on environmental conditions and usage

- 3.7x variable focal length lens with a focal length of 2.8 mm to 10.5 mm and a horizontal angle of view of 101.8˚ to 27.4˚

- Easy and flexible camera angle adjustment achieved by a new three-hinge structure

- Optical Day/Night function to switch to Day or Night mode depending on the light level

- ATR-Lite (Adaptive Tone Reproduction Lite) to compensate for gradation of subjects to an optimum level

- iBLC to compensate for exposure levels in dark scenes to improve subject visibility

- ATW (Automatic Tracing White) balance which automatically adjusts the camera’s white balance to adapt to sudden changes in lighting conditions

- Internal lock, and line lock selectable

- 2D noise reduction employed

- AC 24 V/DC 12 V operation (±10%)

- Custom template supplied
## SPECIFICATIONS

### Camera
- **Image device**: 1/3-type EXview HAD CCD II
- **Number of effective pixels (H x V)**: 480,000 pixels (976 x 494)
- **Signal system**: NTSC standard
- **Horizontal resolution**: 700 TV lines (sharp mode)
- **S/N ratio**: More than 55 dB (AGC Off)
- **Minimum illumination**:
  - Color: 0.06 lx, B/W: 0 lx (F1.2, 50 IRE)
  - Color: 0.04 lx, B/W: 0 lx (F1.2, 30 IRE)
- **Video output**: VBS: 1.0 Vp-p
- **Synchronization**: Internal/AC line lock selectable
- **Gain control**: Auto (On/Off)
- **White balance**: AW (2000K to 10000K), ATW-PRO (2500K to 6000K)
- **Lens type**: Built-in variable focal lens
- **Zoom ratio**: Optical 3.7x
- **Horizontal viewing angle**: 101.8 degrees to 27.4 degrees
- **Focal length**: F=2.8 mm to 10.5 mm
- **F number**: F1.2 (Wide), F2.7 (Tele)
- **Minimum object distance**: 300 mm (11 7/8 inches)
- **Iris**: Auto
- **Panning range**: 355 degrees
- **Tilting range**: ±77 degrees
- **Swivel range**: 350 degrees

### Camera Features
- **Day/Night**: Yes (removable IRC filter)
- **IR working distance**: 30 m (98 feet) (50 IRE)
- **Noise reduction**: Yes (2D NR)
- **Back light compensation**: Yes (iBLC, On/Off)
- **Automatic tone reproduction**: Yes (ATR-Lite, On/Off)

### General
- **Weight**: 1 lb 16 oz (900 g)
- **Dimensions**: ø5 1/2 inches x 4 1/8 inches (ø139.4 mm x 103 mm)
- **Power requirement**: AC 24 V ±10%, DC 12 V ±10%
- **Power consumption**: Max. 5.5 W
- **Operating temperature**: 14 °F to 122 °F (-10 °C to +50 °C)
- **Storage temperature**: -40 °F to +140 °F (-40 °C to +60 °C)
- **Operating humidity**: 25% to 80%
- **Storage humidity**: 20% to 95%
- **Ingress Protection**: IP66
- **Supplied accessories**: Bracket x1, Template x1, Fall-prevention rope x1, Camera unit mounting screws x2, Screws (M4 x 8) x1, Wrench x1, Installation manual x1

## DIMENSIONS

![Camera Dimensions](image)

- **Unit**: inches (mm)
- **ø5 1/2 (139.4)**
- **4 1/8 (103)**
- **2 ø7/32 (6)**