

# VHSD-970EXT

## Day/Night External High Speed Dome



- CCD 1/4" Sony Exview HAD
- Resolution Colour 540 TVL
- Resolution Mono 540 TVL
- Sensitivity Colour 1.4 Lux
- Sensitivity Mono 0.01 Lux
- Lens Size 3.4 - 122.4mm
- Digital Zoom 12x
- Optical Zoom 36x
- Voltage 24V AC
- Power Consumption 2.5A / 60W (Max.)
- Dimensions (Without bracket) 214(Ø) x 230(H)mm
- Dimensions (With wall bracket) 530 x 230 x 342mm
- IP Rating IP66
- Weight 3.4Kg
- Spectral Response Up to 940nm

### Other Features

- True Day Night (ICR)
- 127 Presets
- 4 Pattern Tours
- 8 Variable Speed Tracking
- 8 Alarm Inputs
- Auto White Balance
- RS-485 Controlled
- Auto Gain Control
- 4 Alarm Relay Outputs
- Back Light Compensation
- Wide Dynamic Range
- On Screen Display
- Privacy Zones
- SDNR
- Flickerless
- Digital Slow Shutter Function

The VHSD-970EXT is a high performance fully functional dome camera suitable for a wide range of external applications. Featuring an impressive 36x zoom lens, the VHSD-970EXT delivers a powerful optical performance.

The VHSD-970EXT also offers a range of added benefits including, a 36x optical zoom lens, high resolution 540TVL, wide dynamic range and super digital noise reduction.

Recognition (50% screen height) and Identification (120% screen Height) distances on the Concept Pro VHSD-970EXT dome

| Camera      | Recognition | Identification | Read number plate |
|-------------|-------------|----------------|-------------------|
| VHSD-970EXT | 145 metres  | 59 metres      | 129 metres        |

This is based upon a 1.6M high target. Recognition displayed @50% screen height = 3.2M vertical field of view. Identification displayed @120% screen height = 1.33M vertical field of view

### Brackets & Accessories

**VHSD-PENDANT**

**VHSD-CORNER MOUNT**

**VHSD-SWAN/Y**

**VHSD-POLE**  
Dia. 115 - 164mm

**VHSD-SNA**

The VHSD-870EXT wall bracket fits easily to the VHSD-/SNA to form a pole swan-neck bracket.

**VHSD-COVER**  
Replacement Dome Cover

**RX100/VIDECONHSD**  
Up the Coax Receiver Box Interface unit to allow control of the dome using BBV up the coax telemetry

**VHSD-PSUEXT**  
External 24V AC Power supply unit 24V AC

**VA-KBDPRO+**  
Remote Control Keyboard 3 axis PTZ controller. Multi protocol support including Pelco-D & Pelco-P. Mixed protocol & baud rate support for each device

|                      |   |  |
|----------------------|---|--|
| Camera               | CCD   | 1/4" Sony ExView Day / Night   |
|                      | Resolution  | 540TVL   |
|                      | Minimum Illumination  | 0.01 Lux   |
|                      | Optical Zoom  | 36x f=3.4 ~ 122.4mm (F1.4 ~ 3.0)   |
|                      | Digital Zoom  | 12x (total zoom 432x with optical zoom)  |
|                      | S/N Ratio   | >48db  |
|                      | Focus   | Auto / Manual  |
|                      | White Balance   | Auto, Indoor, Outdoor, Manual, ATW   |
|                      | WDR/On-Off  | BLC/WDR  |
| Pan / Tilt           | General   | Pan: 360° continuous rotation  |
|                      |   | Tilt: 90° with auto flip function  |
|                      | Speeds  | Manual / pattern tour: 0.1° - 180° / second  |
|                      |   | Preset to preset: 400° / second  |
|                      |   | Swing: 15° - 30° - 60° / second selectable   |
|                      | Preset positions  | Up to 127, 15 character title per preset, adjustable dwell time per preset (1 sec ~ 4 min) |
|                      | Pattern tours   | Up to 4, maximum 1 minute per tour   |
|                      | Variable speed tracking function (VST)  | Up to 8, speed adjustable  |
|                      | Groups  | Up to 8, each with up to 20 actions (preset, tour or VST)                                  |
|                      | Privacy zones   | Up to 8, user definable  |
| Park function        | Park to specified preset after a defined period of inactivity (1 min ~ 4 hours) |  |
| Communication        | Data type   | RS-485   |
|                      | Protocols   | Pelco-D or Pelco-P   |
|                      | Baud rates  | 2400, 4800, 9600   |
|                      | Camera ID   | 1-255  |
|                      | Alarm I/O   | 8 inputs, 4 outputs  |
|                      | On Screen Display   | Setup menu, camera position, camera ID, alarm status, preset / VST / pattern tour status   |
| Mechanical           | Environmental rating  | IP66   |
|                      | Fan / Heater  | Built in   |
|                      | Sunshield   | Fitted   |
|                      | Operating temperature range   | -35°C - +50°C  |
|                      | Humidity  | <95%   |
|                      | Power supply  | 24V AC, 20 watts maximum (heater on)   |
|                      | Dimensions (with standard wall bracket and sunshield fitted)                    | Overall height: 530mm  |
|                      |   | Overall width: 230mm   |
| Overall depth: 342mm |   |  |