

## VP-HDA20IR-SMW

60M IR ILLUMINATION 20:1 HIGH DEFINITION ANALOGUE PTZ DOME



USING SONY  
STARVIS LOW LIGHT  
BACK ILLUMINATION  
TECHNOLOGY

**STARVIS**

The VP-HDA20IR-SMW is a PTZ dome with integral IR illumination, offering 20:1 optical zoom in full HD 1080p resolution in both TVI and AHD High Definition Analogue (HDA) formats. Included are a wide range of features, making it suitable for an extensive range of applications.

The VP-HDA20IR-SMW camera uses Sony STARVIS technology to deliver superb 1080p images with excellent low light performance. The integral IR LED provide superb illumination for distances upto 60m.

Each camera comes as a sealed unit that simply needs to be mounted with your chosen bracketry, then powered up. Being of sealed design, there is no need need to open the dome and expose the interior to moisture during installation, avoiding the chance of condensation during operation. The dome default settings allow it to work automatically out of the box on TVI coax for both video and dome control. The VP-HDA20IR-SMW can also be set to standard CVBS video format and controlled over RS485 protocols to allow it to be used on older analogue systems.

The VP-HDA20IR-SMW includes 4 alarm inputs and 2 alarm outputs on the flying lead, along with 240 presets, 8 preset tours and 8 learn tours. The dome's 360° continual rotation and variable speed control between 0.10/sec and 380°/sec provides the operator excellent control, allowing easy tracking of moving objects.

### KEY FEATURES

#### Full HD TVI & AHD imaging

Full HD 1920x1080 resolution in TVI and AHD ensures excellent images over the coax

#### 60m IR Illumination

The in-built IR illumination ensures excellent quality high definition images both day and night

#### Triple Format

A TVI/AHD output provides 1080p images and control over the coax, a separate CVBS (600TVL) output used with the auto sensing RS-485 ensures compatibility with all modern DVRs

#### Multiple inputs and output

4 alarm inputs and 2 alarm outputs allow for simple automation of the dome's PTZ functions

#### Wide Dynamic Range (WDR)

120dB of WDR improves image quality in challenging lighting situations



EMAIL  
info@vista-cctv.com



WEB  
vista-cctv.com



TEL  
+44 (0) 118 912 5000

## TECHNICAL SPECIFICATION

Model	VP-HDA20IR-SMW
<b>IMAGE</b>	
Resolution	TVI: 1080p / AHD: 1080p / CVBS: 600TVL
Sensor	1/2.8" Sony STARVIS CMOS
Pixels	1945(H) x 1109(V)
Operation	True Day/Night
Scanning Mode	Progressive
Video Output	TVI or AHD & CVBS (PAL)
Optical / Digital Zoom	Optical Zoom 20x
Focal length	4.7mm ~ 94.0mm (55.5° (H) ~ 3.0° (H))
Min Illumination	Colour : 0.35 Lux @ 50IRE BW : 0 Lux (IR LED On)
IR Illumination	Up to 60m illumination
WDR	120dB
Noise Reduction	3DNR
Exposure Control	Auto, Manual, Shutter Priority, Iris Priority
White Balance	Auto, Incandescent, Fluorescent, Outdoor, Manual
Shutter Speed	25ips: Auto (1/30,000 to x8 sec.), Manual 50ips: Auto (1/50,000 to x8 sec.), Manual
Tilt angle	-10° to 90° (Digital Flip)
Auto Calibration	0.1° to 6°
Panning angle	360° continuous rotation
Max Speed	380° /sec.
Alarms	4 Input, 2 Outputs (5v TTL)
Auto Scan	1 Auto Pan, 16 Auto Scans
Preset	240
Pattern	8
Tour	8
Area Title	8 areas with title (up to 12 characters)
Privacy Zone	16
Telemetry Control	Coaxial: Hikvision C / Pelco C RS-485: Auto 485 / Vista / Pelco P & D / Fastrax 2 & 2E
Baud Rate	2400, 4800, 9600, 19200, 38400
ID (Camera Address)	3999
Video Connection	TVI or AHD: BNC and CVBS: BNC
Video Output	1.0 Vp-p (75 ohm, composite)
Dimension (unit)	Dia 182.4mm x 208.3mm high
Weight (net)	2.8kg
Operating temperature	-20°C ~ 50°C
Operating humidity	0 to 90%RH (non-condensing)
Storage temperature	-20°C to 60°C (-4°F to 140°F)
IP Rating	IP66
Vandal Resistance	Built to IK10
Power Source	12VDC (+/- 10%)
Power Consumption	1.5A (18W) @ 12VDC

## MODELS IN THIS RANGE

**0392820**  
**VK2-HDX23IR-SMW**

## ASSOCIATED PRODUCTS

**0815480**  
**VCW-EWMB**  
Stand alone Wall bracket

**0366950**  
**VDM-WMVRD**  
Wall mount bracket requires back box

**0366930**  
**VDM-WMJB**  
Back box for wall mount

**0457230**  
**VDM-ECMA**  
Corner mount bracket for back box

**0394210**  
**VDM-EPMAW**  
Pole mount adaptor to be used with back box

**0812220**  
**VRD-TMJB(W)**  
Swan neck tower mount




No liability will be accepted by Vista for any errors or omissions in this information.  
Subject to change without notice.

DS - VP-HDA20IR-SMW - Version 1

 **EMAIL**  
**info@vista-cctv.com**

 **WEB**  
**vista-cctv.com**

 **TEL**  
**+44 (0) 118 912 5000**

