

## DATASHEET

# VK2-HDX23IR-SMW

DISCRETE 23:1 PTZ DOME WITH IR ILLUMINATION & 4 ALARM INPUTS



**VK** 



## **Key Features:**

Full HD Recording The dome delivers Full HD resolution images at up to 60 images per second

60m IR illumination Ensures excellent quality images 24 hour per day

H265 / H264 Quad streaming The Dome can stream 4 individually configured video streams in various formats

> 4 Alarm inputs Allows for increased system automation

True WDR (120dB) Allows detail to be seen even in scenes of high contrast



The VK2-HDX23IR-SMW is a discreet PTZ dome offering 23:1 optical zoom, full HD 1080p/60ips resolution and 60M IR illumination. In addition the camera can offer 4 individual configurable video streams in either H264, H265 or MJPEG formats.

The domes uses the Sony STARVIS CMOS sensor for exceptional low light performance, and when combined with the built in IR illumination, provides exceptional quality images both day and night.

Additional features include True WDR (120dB), 4 Alarm inputs, 2 way audio and the ability to record directly to a Micro SD memory card.

The camera is ONVIF compliant and fully compatible with Vista's range of NVRs and VIPER Central control software.

## **TECHNICAL SPECIFICATION**

Model		VK2-HD23IR-SM (HPoE, 12VDC)
IMAGE		
Lens		Optical Zoom 23X, 5mm ~ 117mm
Angle of View		56.6° ~ 3° (H)
Image Sensor		1/2.8" Sony STARVIS CMOS sensor
-		Colour: 0.35 Lux @ 50IRE,
Min. Illumination		BW: 0 Lux (IR LED On)
Scanning Mode		Progressive Scan
,	ngo	True WDR
Wide Dynamic Range		
Day and Night Mode		True D/N (Auto, Day, Night)
Noise Reduction		2DNR, 3DNR
Digital Zoom		Yes (ROI)
Exposure Control		Auto, Iris Priority
White Balance Control		Auto, Manual
Metering Mode		Spot, Center, Average
Image Effect		Flip, Defog
Flicker Free Mode		50Hz, 60Hz
Shutter Speed		Auto (1/10,000 ~ 1sec)
	Quantity	4 IR LEDs
IR Illuminator	Distance	Up to 60m
VIDEO/AUDIO	Distance	6p to 66m
		11 2014 (Recaling Main Llink Deafile) 11 205 (Main Deafile) M IDEC
Compression		H.264 (Baseline, Main, High Profile), H.265 (Main Profile), MJPEG
Bitrate Control		CBR, CVBR
Resolution		1920x1080, 1440x1080, 1280x1024/720, 1024x768, 800x600/480, D1, 640x480, 400x240, CIF
Frame Rate		Max. 25fps/30fps
Streaming		Quad Stream (H.264/H.265 x 3, MJPEG x 1)
Audio Compression		G.711
Audio Streaming		2 Way
PTZ FUNCTION		
Pan Range		360° Endless
Pan Speed		Max. 380°/sec (Preset)
Tilt Range		-5° ~ 90°
Tilt Speed		Max. 380°/sec (Preset)
		256
Preset		
Tour		8
Pattern		8
Home Function		Yes
SYSTEM		
Video Contents Analysis		Tempering, iVMD, Intrusion detector
Motion Detection Area		16 Programmable Areas (Include Area 8, Exclude Area 8)
Privacy Mask Zone		16 Programmable Zones
Hi-Stream (Smart Codec)		8 Regions, Quality setup, Non-ROI fps setup
FTP Uploading		MJPEG
Event Notification		E-mail, FTP, XML Notification, Audio Alert, Notification Server
Audio Alert		User-Defined 3 Audio files
		Administrator, Operator, Guest
Login Authority	575	
Event Buffering	FTP	Pre : 30sec, Post : 30sec
-	SD Record	Pre : 10sec, Post : 60sec
Manual Trigger		4 Programmable Triggers
Security		Multi User Authority, IP Filtering, HTTPS, SSL
Network Time Sync		NTP Server, Synchronized Computer, Manual
SD Recording Mode		Event, Continuous
NETWORK		
Protocols		TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, QoS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf, Bonjour
Client Software		Web, SmartManager, Client S/W, Mobile S/W
		Live: 10 Users, Playback: 3 Users
Max. User Connection API Support		
and the second sec		Open API, ONVIF Compliance
Mobile Support		Android, i-OS
EXTERNAL IN/0	UT	
Audio		1 Input, 1 Output (Terminal Block)
Alarm		4 Inputs, 1 Output (Terminal Block)
Ethernet		RJ-45 (10/100Base-T)
u-SD Card		SDHC/SDXC
ENVIRONMENTA	AL	
Operating Humidity		0 ~ 90% RH (Non-condensing)
Operating Humidi		-10°C ~ +50°C
	ature	HPoE, 12VDC
Operating Tempe		HPOF 12VUU
Operating Tempe Power Supply		
Operating Tempe Power Supply Power Consumpti	on	420mA (22W) @ HPoE, 1.8A (22W) @ 12VDC
Operating Tempe Power Supply Power Consumpti Dimensions	on	420mA (22W) @ HPoE, 1.8A (22W) @ 12VDC 182.4mm (Đ) x 208.3mm (H)
Operating Tempe Power Supply Power Consumpti	on	420mA (22W) @ HPoE, 1.8A (22W) @ 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

### **PoE Switches**

0199470 QSW16M 16 port PoE managed switch

**0766120 QSW4** 4 port PoE switch

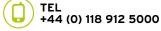
**0766130 QSW8** 8 port PoE

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

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