# VK2-4KX30IR-PM

## ULTRA HI DEF LOW LIGHT H265 TWDR QUAD STREAMING 30:1 PTZ DOME



VK2

THIS PRODUCT QUALIFIES FOR
vista
3 YEAR
ADVANCE
REPLACEMENT

ONVIF

STARVIS

The VK2-4KX30IR-PM 4K (8MP) IP PTZ dome packs an impressive level of features and functionality into it's robust but aesthetically designed housing. The 1/1.7" Sony Starvis CMOS chip set allows the dome to produce extremely high quality images even in very poorly illuminated scenes.

The combination of the long range 30:1 zoom lens, 8MP resolution and Zoom tracking 300m IR illumination means that the dome produces stunning ultra hi definition images, making it ideal for hi-end applications such as perimeter protection, town centres and car parking.

The dome can deliver 4 independent video streams of multiple formats including H264, MJPEG and the latest H265 technology which allows lower band width and storage requirements for the recording solution.

As well as all the normal features such as: True WDR, Alarms, Audio, Micro SD card edge storage, and PoE. The Static and Dynamic regions of Interest (ROI) within the VK2-4KX30IR-PM dome set up, allows the camera to continually analyse the scene, adding more compression to areas of low interest (no motion) while applying lower levels of compression to areas where motion is present. This means that lower bandwidth is required for transmission and less storage is required at the NVR.

The dome includes video analytic features including: Intelligent Motion, Intrusion, Tampering, Line crossing, Loitering and Human shape detection. The VK2-4KX30IR-PM is designed to fit on a large range of brackets, and is supplied with a quick fit adaptor to allow simple installation onto standard 1.5" NPT thread brackets.

The VK2-4KX30IR-PM is ideal for use on the Vista VIPER range on NVRs. ONVIF compliance ensures it can be used on multiple manufactures recording platforms.

## KEY FEATURES

**4K (8MP) Ultra high definition resolution**
Produced incredibly detailed evidential images

**1/1.7" Sony Starvis CMOS low light sensor**
This large format sensor allows the dome to gather more light from any scene so allowing it to produce quality images in very poorly lit scenes

**H265 video format**
Greatly reduces the bandwidth and storage requirements of the recording solution

**300M Zoom tracking IR illumination**
The IR illuminator on the camera is linked to the zoom lens, so narrows the illumination beam when the operator zooms in, so concentrating the available light into the area being viewed

**True WDR (120d)**
The cameras Wide Dynamic Range function allows it to produce detailed images even in scenes of high contrast

**Advanced Video Analytics**
Including: Intelligent Motion, Intrusion, Tampering, Line crossing, Loitering and Human shape detection.

**Hi Stream regions of Interest**
Within fixed camera preset views, up to 8 areas can be defined as Regions of Interest. The resolution and frame rate within and out-with these areas can be defined. This can greatly reduce the bandwidth and storage required by the camera.

# TECHNICAL SPECIFICATION

| Model | VK2-4KX30IR-PM |
|---|---|
| **IMAGE** | |
| Lens | Optical Zoom: 30X, 6~180mm, Angle of View: 55.4°~2.7°(H) |
| Image sensor | 1/1.7" SONY STARVIS CMOS Sensor |
| Min. Illumination | Color: 0.75Lux@50IRE / BW: 0Lux (IR LED On) |
| Wide Dynamic Range | True WDR |
| Day and Night Mode | True D/N (Auto, Day, Night) |
| White Balance Control | Auto, Manual |
| Metering Mode | Spot(BLC), Center, Average, Left, Right, Bottom |
| Shutter Speed | Auto (1/10,000~1sec), Manual |
| IR Illuminator | Synchronized IR LED, Fixed IR LED, up to 300m |
| **VIDEO/AUDIO** | |
| Compression | H.265 (Main Profile)/H.264 (Baseline, Main, High Profile), MJPEG |
| Bitrate Control | CBR, CVBR |
| Resolution | 3840x2160, 3072x2048, 2592x1944/1520, 2560x1440, 1920x1080, 1440x1080, 1280x1024/720, 1024x768, 800x600/480, D1, 640x480, CIF |
| Frame Rate | Max. 25/30fps |
| Streaming | Quad Stream: H.264/H.265x3, MJPEGx1 |
| Audio Compression/Streaming | Audio Compression: G.711, Audio Streaming: 2 Way |
| **PTZ FUNCTION** | |
| Pan Range/Speed | Pan Range: 360° continuous rotation, Pan Speed: Max 360° / sec (preset) |
| Tilt Range/Speed | Tilt Range: minus 10° to 90°, Tilt Speed: Max 380° / sec (preset) |
| Presets | 256 |
| Tour | 8 |
| Patern | 8 |
| Home function | yes |
| **SYSTEM** | |
| Video Contents Analysis | Tampering, iVMD, Intrusion Detector |
| Motion Detection Area | 16 Programmable Area (Include Area 8, Exclude Area 8) |
| Privacy Mask Zone | 16 Programmable Zone |
| Smart Codec | Hi-Stream |
| Event Notification | E-mail, FTP, Notification Server, XML Notification, Audio Alert |
| Audio Alert | 3 User defined audio files |
| Login Authority | Administrator, Operator, Guest |
| Manual Trigger | 4 Programmable Trigger |
| Security | Multi User Authority, IP Filtering, HTTPS, SSL |
| Network Time Sync | NTP Server, Synchronized Computer, Manual |
| Remote Upgrade | Web Browsing (IE, Chrome, Safari, Firefox), SmartManager |
| SD Recording Mode | Event, Continuous |
| **NETWORK** | |
| Protocol | TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, QoS, FTP, UPnP, RTP,RTSP, RTCP, DHCP, ARP, Zeroconf, Bonjour |
| Client Software | Viper-Central, Viper-Remote, Web and SmartManager |
| Max. User Connection | Live: 10 Users, Playback: 3 Users |
| API Support | Open API, Onvif Compliant |
| Mobile Support | Android, iOS |
| **EXTERNAL IN/OUT** | |
| Audio | 1 Input, 1 Output (RCA Mono jack) |
| Alarm | 4 Input, 1 Output (Terminal Block) |
| Ethernet | RJ-45 (10/100 Base-T) |
| u-SD Card | SDHC, SDXC |
| **ENVIRONMENTAL** | |
| Operating Humidity | 0 - 90% RH (Non-Condensing) |
| Operating Temperature | minus 30°C to plus 50°C |
| Power Supply | PoE (IEEE802.3bt Compliance, Class5) / 12VDC (PoE injector included) |
| Power Consumption | 200mA (9.6W) @ PoE / 690mA (8,3W) @ 12VDC |
| Dimension | 201.8(Ø)x317.8(H)mm |
| Weight | Net Weight Approx. 5.1g |
| Ingress Protection | IP66 |
| Protection | IK10 |
| Compliance | CE RoHS2: EN50581:2012 |

## MODELS IN THIS RANGE

**0494720**
**VK2-4KX30IR-PM**

## ASSOCIATED PRODUCTS

**0366940**
**VDM-WMVP**
VDM-WMVP Wall bracket
(Requires VDM-TMJB)

**0366930**
**VDM-TMJB**
Wall junction box

**0718920**
**VDM-ECMAW**
corner mount adaptor for junction box

**0718930**
**VDM-EPMAW**
Side pole adaptor for junction box

**0690320**
**VDM-TMJB(W)**
Tower mount bracket including junction box

**0472170**
**VPP-IPMB250**
250mm pendant drop bracket

CE

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

DS - VK2-4KX30IR-PM - Version 1

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

**WEB**
vista-cctv.com

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

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