

## DATASHEET

# VK2-4MPXBIR28V12Ms

H265 TWDR QUAD STREAMING BULLET CAMERA

# VK2



The VK2-4MPXBIR28V12Ms 4MP IP66 bullet packs an impressive level of features and functionality into its robust but aesthetically designed housing. This bullet can deliver up to 4 streams in multiple formats including H264, MJPEG and the latest H265 technology reduces the levels of bandwidth and storage required by the recording solution.

As well as True WDR, motorised remote set up lens, IR illumination, alarms, audio, Micro SD card edge storage and PoE, the camera has a "Hi-Stream" function. This offers static and dynamic Regions of Interest (ROI) within the VK2-4MPXBIR28V12Ms bullet set up. This function allows the camera to continually analyse the scene, adding more compression to areas of low interest with no motion whilst applying lower levels of compression to areas where motion is present, as a result showing higher definition in these areas. This means that lower bandwidth is required for transmission and less storage is required on the NVR.

The wide ranging 2.8-12mm motorised lens can be remotely adjusted to give the optimal angle of view, making it a simple one person installation.

The VK2-4MPXBIR28V12Ms is ideal for use with the Vista Viper range of NVRs. ONVIF compliance also ensures it can be used on multiple manufacturers' recording platforms.

### Key Features:

#### 4MP resolution

Gives highly detailed recorded images

#### H265 video format

Greatly reduces the bandwidth and storage requirements of the recording solution

#### True WDR (120dB)

The cameras Wide Dynamic Range function allows it to produce detailed images even in scenes of high contrast

#### Hi-Stream (ROI)

The camera continually adjusts the amount of compression applied to areas of interest, therefore optimising the system's bandwidth and storage

#### Motorised Lens

Allows the installation engineer to remotely adjust the viewing angle of the camera to achieve the optimum image

#### IR illumination

35 IR LEDs give up to 40m illumination

#### Manually settable max/min shutter speed

This unique function will ensure a much crisper, frozen image of each frame compared to that achieved by general IP cameras. The automatic shutter speed setting on general IP cameras can be very slow to compensate for low light which can lead to blurring

## TECHNICAL SPECIFICATION

Model	VK2-4MPXBIR28V12Ms
<b>IMAGE</b>	
Lens	2.8-12mm Motorised Lens - Smart Focus and manual control
Angle of View	97- 31°(H)
Image sensor	1/3" CMOS Sensor, 2688(H)x1520(V).
Min. Illumination	Colour: 0.1Lux@F1.6 / BW: 0Lux@F1.6(IR LED On)
Scanning Mode	Progressive Scan
Noise Reduction	2DNR, 3DNR
Wide Dynamic Range	True WDR
Day and Night Mode	True D/N (Auto, Day, Night)
Digital Zoom	Yes
Exposure Control	Auto
White Balance Control	Auto, Incandescent, Fluorescent, Outdoor, Manual
Metering Mode	Spot(BLC), Center, Average, Left, Right
Image effect	Flip, Mirror, Defog
Flicker Free Mode	50Hz, 60Hz
Shutter Speed	Auto(1/10,000-1sec), Manual
IR Illuminator	35 IR LEDs Up to 40m @80° horizontal
<b>VIDEO/AUDIO</b>	
Compression	H.265/H.264 (Baseline, Main, High Profile), MJPEG
Bitrate Control	CBR, CVBR
Resolution	2592x1520, 2048x1520, 1920x1080, 1280x1024, 1280x720/960, 1024x768, 704x480/576, 640x480, 320x240
Frame Rate	Max. 25/30fps
Streaming	Quad Stream: H.264/H.265x3, MJPEGx1
Composite Out	Yes
Audio Compression	G.711
Audio Streaming	2 Way
<b>SYSTEM</b>	
Video Contents Analysis	Tampering, iVMD, Intrusion Detector
Motion Detection Area	16 Programmable Area (Include Area 8, Exclude Area 8)
Privacy Mask Zone	8 Programmable Zone
FTP Uploading	MJPEG
Event Notification	E-mail, FTP, Notification Server, XML Notification, Audio Alert
Login Authority	Administrator, Operator, Guest
Manual Trigger	4 Programmable Trigger
Event Buffering FTP	FTP: Pre - 30sec, Post - 30sec, SD Card: Pre - 10 sec, Post 60 Sec
Security	Multi User Authority, IP Filtering, HTTPS, SSL
Software Reset	Restart, Reset, Factory Default
Hardware Factory Reset	Yes
Network Time Sync	NTP Server, Synchronized Computer, Manual
Remote Upgrade	Web Browsing (IE, Chrome, Safari, Firefox), SmartManager
SD Recording Mode	Event, Continuous
<b>NETWORK</b>	
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
<b>EXTERNAL IN/OUT</b>	
Audio	1 Input, 1 Output (Terminal Block)
Alarm	1 Input, 1 Output (Terminal Block)
Ethernet	RJ-45 (10/100Base-T)
u-SD Card	SDHC, SDXC
<b>ENVIRONMENTAL</b>	
Operating Humidity	0 - 90% RH (Non-Condensing)
Operating Temperature	minus 20~ plus 50°C
Power Supply	PoE (IEEE802.3af Compliance, Class0)/12VDC
Power Consumption	200mA(9W)@PoE / 710mA(7.6W)@12VDC
Dimension	90(W)x86(H)x279(D)mm
Weight	Approx. 1030g
Cable length	35cm
Ingress Protection	IP66

## Models In This Range

**0653300**  
**VK2-4MPXBIR28V12Ms**  
 H265 TWDR Quad streaming bullet camera

## Associated Products

**0811180**  
**DJBW**  
 Ext/Int dome junction box




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DS - VK2-4MPXBIR28V12Ms - Version 1

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