

VK2-12MPX360EXTIR

ALL ROUND, ULTRA HIGH DEFINITION FISHEYE



VK2

ONVIF

KEY FEATURES

360° Fisheye Camera

H.265, H.264, MJPEG Support

Up to 12MP resolution

1.9mm 180° Panomorph Lens

True WDR

IR LEDs

PoE, 12VDC

IP66 / IK10

The 1.9mm Fisheye lens on the VK2-12MPX360EXTIR allows the camera to see a complete 360° by 180° view, so covering a whole room from one central point. The 12MP sensor produces superb Ultra High-Definition images, and the control software allows the operator to pan/tilt and zoom within the image in both live and play back modes, making it an excellent tool for post-event investigation. As a result, there are no blind spots.

The advanced algorithms within the camera's software allow the circular 360-degree image to be "de-warped" into usable video while mounted either on a ceiling or wall.

With built in IR LEDs the camera can illuminate it's own scene, allowing for effective surveillance both day and night. And with it's IP66/IK10 rating, the camera is ideal for external surveillance.

The compact vandal resistant housing (Only 151mm diameter) is extremely robust whilst being aesthetically designed, making it ideal for multiple applications, including retail, education, airports etc.

The camera's True WDR functions allows excellent quality images to be produced even when used in areas where there are large variations in light levels.

The cameras is fully ONVIF compliant and can be used with many third party VMS manufacturers as well as with Vista's Viper NVR range.

TECHNICAL SPECIFICATION

Model	VK2-12MPX360EXTIR
IMAGE	
Lens	1.9mm, F2.4
Angle of View	180°(H) - 180°(H)
Image Sensor	1/1.7" Sony Starvis CMOS Sensor
Min illumination	0 Lux (IR Illuminators on)
Scanning Mode	Progressive Scan
Wide Dynamic Range	TWDR
Day and Night Mode	True D/N (Auto, Day, Night)
Noise reduction	2DNR, 3DNR
Digital Zoom	Yes (ROI)
Exposure Control	Auto
White Balance Control	Auto / Manual
Image Effects	Flip, Mirror, Defog
Flicker Free Mode	50Hz / 60Hz
Shutter Speed	Auto (1/10000 - 1 sec), Manual
IR Illumination	6IR LEDs - Up to 15m range
VIDEO/AUDIO	
Compression	H.264 (Baseline, Main, High Pro_le), H.265 (Main Pro_le) MJPEG
Bit Rate Control	CBR / CVBR
Resolution settings	4000x3000, 3840x2160, 3072x2048, 3000x3000, 2592x1944/1520, 2560x1440, 1920x1080, 1280x1024/720, 1024x768, 800x600/480, D1, 640x480, 400x240, CIF(TBD)
Frame Rate	12MP - up to 20FPS / 4K - up to 25FPS
Streaming	Quad Stream: H.264/H.265x3, MJPEGx1
Audio Compression	G.711
Audio Streaming	2 Way
SYSTEM	
Video Content Analysis	Tampering, iVMD, Intrusion Detector
Motion Detection Areas	16 Programmable Area (Include Area 8, Exclude Area 8)
Privacy Masking	4 Programmable zones
Smart Codec	Hi-Stream
FTP Uploading	MJPEG
Event Notification	E-mail, FTP, Noti_cation Server, XML Noti_cation, Audio Alert
Audio Alert	User Defined, 3 Audio File
Login Authority	Administrator, Operator, Guest
Event Recording	Pre event 10 Seconds / Post Event 60 Seconds
Manual Trigger	4 Programmable Tiggers
Security	Multi User Authority, IP Filtering, HTTPS, SSL
Network Time Sync	NTP Server, Synchronized Computer, Manual
Software Reset	Restart, Reset, Factory Default
Hardware Factory Reset	Yes
SD Card 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	Viper Central, Viper Remote, Web Browser, Smart Manager
Max user connections	10 live , 3 playback
API Support	Open API, Onvif compliance
Mobile support	IoS and Android - Viper Remote
EXTERNAL IN/OUT	
Audio	1 Input, 1 Output (Terminal Block)
Alarm	1 Input, 1 Output (Terminal Block)
Ethernet	RJ45 (Internal connector)
Micro SD Card	SDHC / SDXC
ENVIRONMENTAL	
Operating Humidity	0 - 90% RH(Non condensing)
Operating Temperature	-20 to 50OC
Power	PoE (IEEE802.3af Compliance, Class0)/12VDC
Power Consumption	190mA(8.5W)@PoE / 710mA(7.6W)@12VDC
Dimensions	151.4(Dia)x58.7(H)mm
Net Weight	0.78Kg
Protection	IP66 / IK10

MODELS IN THIS RANGE

0580270 VK2-12MPX360EXTIR
Ultra high definition fisheye camera

ASSOCIATED PRODUCTS

0811180 DJBW
Surface mount junction box

0815480 VCW-EWMB
Wall mount bracket

0811220 VRD-TMJB(W)
Swan neck tower mount




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DS - VK2-12MPX360EXTIR - Version 1

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