VK2-1080VRDIR3V9F VANDAL RESISTANT TRUE DAY/NIGHT 1080P IP DOME WITH IR ILLUMINATION

IPFULL HD (1080P), SIMPLE SET UP

As part of the VK2 range, VK2-1080VRDIR3V9F is a true day/night full HD (1080p) IP vandal resistant dome with in-built IR LEDs featuring a technology set normally associated with more expensive products.

Features include remote zoom and focus, enabling the operator to set the angle of view and focus from the the PC; full HD resolution of 1080p that provides highly detailed real time images with large scene content, ensuring the greatest flexibility in retrospective investigation by allowing any part of the scene to be enlarged - in both live and recorded footage, with minimum loss of detail.

The VK2-1080VRDIR3V9F also features PoE (Power over Ethernet), negating the need for local power, saving time and money on installations across all applications.

Complete with alarm input/output functionality, the VK2-1080VRDIR3V9F is simple to set-up and integrate into third party systems thanks to ONVIF compliance. The unit can deliver 3 full HD streams in H.264, MJPEG or MPEG4 formats at upto 25 images per second.

On-board Micro SD card slot provides the option of local recording, giving the option to record images in high resolution at the camera location triggered via on board VMD or external alarm inputs, with playback via its own free of charge viewing software.

As with the rest of the Vista range, the VK2-1080VRDIR3V9F is compatible with the video management solutions Graphica2 Sabre, and other 3rd party NVRs and VMS systems.

To learn more about this product range please visit **vista-cctv.com**

Key Features:

Triple streaming full HD (1080p) resolution
Full HD resolution of 1080p allows for High Definition 16:9 images to be recorded

ONVIF compliant
ONVIF compliance assures seamless integration to third party devices

In-built IR LEDS
The IR illuminators guarantee usable images 24/7 at a range of up to 10m

Remote focus and zoom
Enables the operator to remotely adjust the angle of view and cameras focus toachieve the best possible picture.

PoE equipped
Using the latest PoE technology, cameras can be powered via the network cable without the need for local PSUs – greatly simplifying any installation

Recording flexibility
Recording can be controlled manually or triggered via alarm input, with images streamed in H.264, MPEG 4 and MJPEG formats up to 25 images per second

On-board recording
Images can be recorded locally (edge recording) via an on-board Micro recording slot, triggered via on board VMD or external triggers (SD card not included)

FLEXIBILITY BY DESIGN™

TECHNICAL SPECIFICATION

Model	VK2-1080VRDIR3V9F
GENERAL	
Imaging Device	1/2.8 Inch (16:9)
Imager Type	CMOS
Imager Readout	Progressive Scan
Resolution	Maximum 1920x1080
Signal to Noise Ratio	55dB
Lens	Motorised remote focus and zoom 3-9mm mega pixel lens, IR corrected
IR LEDs	24 LEDs range up to 10m
Electronic Shutter Range	Auto / Anti-Flicker / 1/160 - 1/10000 (Slow shutter x2 - x64) Electronic Rolling Shutter (ERS)
Wide Dynamic Range	68 dB
Sensitivity (F1.2, 50IRE)	Day Mode (Colour): 2.5Lux, Night Mode (B/W): 0 lux (IR LEDs on)
CONNECTORS	
Ethernet Connector	RJ-45 - 10/100Base-Tx
BNC Connector	Composite analogue video output ~ (for local engineer set up only, requires VK2-LCT local commissioning tool)
Power Input	DC12V or AC24V or PoE (IEEE802.3af Compliant, Class 0)
POWER CONSUMPTION	
PoE	5.2 W
DC12V	5.0 W
A C24V	5.5 W
Alarm Input	Terminal block for two Alarm inputs
Alarm Output	Terminal block for one Alarm output
Audio Input / Output	3.5mm Microphone and 3.5mm Speaker out
RS485	Push in terminal connectors
Local recording	SD Card slot (Max 32GB, class 6 or above, card not included)
VIDEO	
Compression	H.264 High / Main / Baseline profile MPEG 4 and MJPEG
Streams	3 simultaneous full HD streams: Stream 1: H.264 or MPEG, Stream 2: MJPEG, Stream 3: H.264 or MPEG 4
Frame rates	25fps@1920x1080p, 25fps@1280x1024p, 25fps@1280x960p, 25fps@1152x864p, 25fps@1280x720p, 25fps@720x576p, 25fps@720x480p, 25fps@640x480p, 25fps@320x240p
Protocols	TCP/IP, UDP/IP (Unicast, Multicast), UPnP, DNS, DHCP, RTP, RTS P, NTP, IPv4, HTTP, HTTPS, SSL, SMTP, FTP
Users	Unicast - Up to 10 simultaneously Multicast - Unlimited users H.264
Security Access	Multilevel Access, Data Encryption, Password protection, IP filtering
Features	3D-DNR, DIS, Privacy Mask, ROI, Easy Focus, Digital PTZ, VMD, Image Effect, Multiple Streaming, AE, AW B, Snapshot, Manual Trigger, Audio Mute, Audio Alert, Record and Playback, Software Reset, Remote Upgrade
Intelligent video Analysis	Video motion detection
AUDIO	
Audio compression	G.711 PCM 8 kHz (↔-law or A-law)
Audio Streaming	Full Duplex
Audio Input / Output	External Mic in, External Speaker out
INTEGRATION	
Alarm Triggers	External Alarm input signals, VMD
Alarm Events	JPEG file upload via FTP
Notification via Email	External device activation
System Integration	Supported Open API / ONVIF compatible
ENVIRONMENTAL	
Housing	Die-cast aluminium, IP66 (built to IK10)
Operational Temperature	-10ºC - +50OC standard (-30ºC - +50ºC with optional heater)
Storage Temperature	-20ºC ~ +60ºC
Storage Humidity	0 % ~ 96 %
PHYSICAL	
Dimension (H x Ø)	120 mm x 154 mm
Shipping Dimension (HxWxD)	190 mm x 190 mm x 195 mm
Weight	1000 g
Shipping Weight	1300 g
Accessories included	Installation CD, Installation template
Certification	CE RoHS2: 2011/65/EU

Models In This Range

0474570
VK2-1080VRDIR3V9F
Full HD day/night IP vandal dome
H.264, PoE with IR LEDs

0498270
VK2-LCT
Local Commissioning Tool

0498930
VRD-EWMB
Wall mount bracket

0457230
VDM-ECMA
Corner mount adaptor for wall bracket

0498940
VRD-EPMB
Pendant mount adaptor

0498950
VRD-TM
Tower mount swan neck

CE

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Subject to change without notice.

DS - VK2-1080VRDIR3V9F - Version 2