

# THE DIAMOND4KV2

## MULTI-FACETED TEST MONITOR WITH HDMI INPUT



The ultimate analogue and IP test tool of choice - Vista's upgraded DIAMOND4Kv2 test monitor is an enhanced version of the original DIAMOND test monitor, now in a slimline rugged case for improved ergonomics.

The DIAMOND4Kv2 is still crammed with all the popular features of the earlier test monitor versions.. Easily accessible via the 7" Retina touch sensitive screen, and developed to make the job of installing, commissioning and fault finding of CCTV systems as straightforward. It is a "must have" for any discerning installation engineer who wants to complete an installation quickly and effectively.

As a basic test monitor the DIAMOND4Kv2 will accept virtually any CCTV camera format including IP, CVBS, TVI, AHD and CVI video.

Both RS485 and UTC protocols for TVI, AHD & CVI PTZ cameras can be tested directly from the monitor.

Additional features include:

- ONVIF camera discovery and tester
- IP address discovery tool
- Hik, Dahua, Hanwha and Uniview camera activation apps and viewers
- RTSP viewer
- Screen snapshot
- Video recorder
- WIFI connection (to 150Mb) and Access Point surveying app
- Colour bar generator
- Digital Multi-Meter
- CVBS Video\synch level meter
- Cat5e/6 cable pair, sequence and TDR tester
- Cable Tracer - CAT5e, BNC & Twisted pair
- IP Switch port flasher\identifier
- Ping tester
- RS45 Data monitor
- Snapshot\video capture to micro SD (8GB supplied)
- Video\audio media players
- LED Flash light
- 12VDC and PoE output
- 5VDC USB output - mobile phone charging
- HDMI 4K Input and Output

### KEY FEATURES

#### Multi-format video input

The DIAMOND4Kv2 test monitor will accept inputs from IP, CVBS, TVI, CVI and AHD cameras, so this single monitor can cover all likely formats an engineer will encounter in the field

#### PTZ testing

The monitor can output RS485 or HD analogue up the coax protocols to test most PTZ domes

#### Long battery life

Approx 16 hour battery life after an 8 hour charge

#### UTP Cat5e/6 tester

Supplied with UTP cable tester - identify & test straight & crossed CAT5e/6 cables for correct termination. Also cable tone tracer forcable location / identification

#### Digital Multi-Meter

The inclusion of the Digital Multi-meter means that all an engineer requires for testing, fault finding and commissioning is included in one handy robust unit

#### Power output

The DIAMOND4Kv2 can power cameras via 12VDC or PoE connections

#### HDMI Input

Allows the monitor to be used as a set up screen for DVRs and NVRs. Supports up to 4K input



TEL  
+44 (0) 118 912 5000

TECHNICAL SPECIFICATION

Model	DIAMOND4Kv2
Display	7 inch retina touch screen, resolution 1920 x 1200 (RGB)
Network port	10/100M auto adjust, RJ45
WIFI	Built in WIFI, allows you to connect to a wireless network and view IP cameras
IP discovery	Multiple camera IP discovery
Rapid ONVIF	Camera search with auto log in and display of image from IP cameras via ONVIF Device manager
IP camera type	4K/H.265/H.264. ONVIF IP Discovery/Quick ONVIF/IPC test /RTSP play
HD Analogue	1 channel TVI/AHD/CVI BNC input, resolution supported 720p 25, 30, 50, 60fps / 1080p 25, 30fps / 3840 x 2160P 15 FPS
CVBS Analogue	1 channel BNC Input & 1 channel BNC Output, NTSC/PAL (Auto adapt)
Video level meter	PEAK video signal level, SYNC signal level, COLOUR BURST chroma level measurement for cvbs camera.
Zoom Image	Supports Analogue and IP camera image zooming & movement
Snapshot, Video record and playback	Capture current images and record live video as JPG file. Media player will view photos and playback video
HDMI input	1 channel HDMI up to resolution 4K to 30fps
HDMI output	1 channel HDMI output, supports up to 4K to 30fps
12V/2A power output	Output DC12V/3A and DC24V/2A power to camera
USB 5V power output	5V 2A power output only, NO data
PoE power output	48V PoE power output, Max power 30W
Audio test	1 channel audio signal input and 1 channel audio signal output to connect headphones
PTZ control	Support RS485 control, Baud 600-115200bps. Compatible with more than 30 protocols such as Vista, PELCO-D/P, Samsung, Panasonic, Lilin, Yaan, etc
Colour bar generator	Output one channel PAL/NTSC colour bar video signal for testing monitor or video cable. (red, green ,blue, white and black colour)
UTP Cable tester	Test UTP cable connection status and display on the screen. Read the number on the screen
Data monitor	Captures and analyzes the command data from controlling device, also can send hexadecimal
Network test	IP address scan, link scan, and Ping test. Quickly search the for IP camera's IP address on your network
Cable tracer	Find a connected cable from a bundle of cables using audio tones - BNC and twisted pair
PoE /PSE voltage test	Measures PoE switch voltage and displays pin configuration
Digital Multi-meter	AC/DC Voltage, AC/DC current, Resistance, Capacitance, Data hold, Relative measurement, Continuity testing. Testing speed: 3 times/ seconds, Data range -6600 - +6600.
POWER	
External power supply	DC 12V 2A
Battery	Replaceable 7.6V 7800mAh 59Wh Lithium polymer battery, model V5-H
Rechargeable	After charging 7-8 hours, normal working time 16 hours
PARAMETER	
Operation setting	Capacitive touch screen, OSD menu, select your desired language: English, French, Chinese, Korean, Russian, Italian or Polish, etc
Auto off	1-30 (mins)
GENERAL	
Working Temperature	-10° – +50°
Working Humidity	30% – 90%
Dimension/Weight	Net 255mm x 160mm x 46mm / 0.95Kg Gross 330mm x 300mm x 100mm / 2.25Kg

ACCESSORIES SUPPLIED

- Carrying case
  - DVM probes
  - Cable tester wand
  - BNC video lead
  - RS485 Telemetry lead
- Audio lead
  - DC power output lead Charger
  - 8GB SD Card
  - Booklet
  - Screwdriver (battery cover removal)



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

DIAMOND4Kv2 - Version 1 05/24

MODELS IN THIS RANGE

0946300 DIAMOND4Kv2 Test monitor  
TVI/AHD/CVI/IP HDMI  
Multi-faceted test monitor with HDMI input

ASSOCIATED PRODUCTS

0115270	DIAMONDe audio cable (spare)
0115280	DIAMONDe RS485 cable (spare)
0115300	DIAMONDe Cable tester (spare)
0115310	DIAMONDe Charger (spare)
0115320	DIAMONDe camera power cable (spare)
0115330	DIAMONDe Multi-Meter leads (spare)
0946380	Diamond4kv2 spare battery



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