

THE DIAMOND4K

MULTI-FACETED TEST MONITOR WITH 4K CAMERA SUPPORT



KEY FEATURES

7" Retina touchscreen

Display resolution 1,920x1200

Multi-format video input

The DIAMOND4K 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 tester

Supplied with UTP cable tester, which will identify straight, crossed or broken CAT5e cables. Also cable tone tracer for cable 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 DIAMOND4K can provide 12VDC and PoE power output to power cameras locally for testing \commissioning

HDMI Input

Allows the monitor to be used as a set up screen for DVRs and NVRs. Supports up to 1080p input

The upgraded DIAMOND4K is the CCTV Engineers ultimate analogue and IP test tool!

Crammed with functions developed to make the job of installing, commissioning and fault finding of CCTV systems easier, this ergonomically designed touch screen monitor is the must have for any installation engineer.

As a basic test monitor the DIAMOND will accept virtually any CCTV camera format including IP, CVBS, TVI, AHD and CVI video - to 4K resolution.

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

Additional features include:

- In built Vista VK2-Remote IP camera APP
- ONVIF camera discovery and tester
- IP address discovery tool
- Hik and Dahua 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 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 Input and Output



TEL
+44 (0) 118 912 5000

TECHNICAL SPECIFICATION

Model	DIAMOND4K
Display	7 inch capacitive touch screen, resolution 1920 x 1200 (RGB)
Network port	10/100M/1000M auto negotiate RJ45 - 2 of
WiFi	Built in WiFi (to 150Mb), allows network access and WiFi Access Point Surveying
IP discovery	Single camera IP discovery
Rapid ONVIF	Camera search with auto log in and display of image from IP cameras
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	Now utilises above single HD Analogue BNC port, 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 1080P
HDMI output	1 channel HDMI output, supports up to 1080p
12V/2A power output	Output DC12V/3A power to camera
USB 5V power output	5V 2A power output only, NO data (mobile phone charging)
PoE power output	48V PoE power output, Max power 25.5W
Audio test	1 channel audio signal input and 1 channel audio signal output to connect headphones
PTZ control	Support RS232/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)
CAT5e UTP Cable tester	Test pairs, sequence and TDR. Save test reports to SD card
Data monitor	Captures and analyzes RS485 data from controlling device, also can send hexadecimal
Network test	IP address scan, link scan, and Ping test. Quickly search for IP camera's and used IP addresses on your network
Cable tracer	Find a connected cable from a bundle of cables using audio tones - CAT5, 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	Built-in 7.4V Lithium polymer battery, 7000mAh
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	231mm x 172mm x 52mm / 1.26Kg

ACCESSORIES SUPPLIED

- Carrying case
- DVM probes
- Cable tester
- BNC video lead
- RS485 Telemetry lead
- Audio lead
- DC power output lead Charger
- 8GB SD Card



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

DS - DIAMOND4K - Version 1 (2021-05-11)

MODELS IN THIS RANGE

0872170 DIAMOND4K Test mon TVI/AHD/CVI/IP HDMI 4K
Multi-faceted test monitor with HDMI input

ASSOCIATED PRODUCTS

0115270 DIAMONDDe audio cable (spare)

0115280 DIAMONDDe RS485 cable (spare)

0115290 DIAMONDDe Cable tester (spare)

0115300 DIAMONDDe Charger (spare)

0115310 DIAMONDDe Charger (spare)

0115320 DIAMONDDe camera power cable (spare)

0115330 DIAMONDDe Multi-Meter leads (spare)



TEL
+44 (0) 118 912 5000

