

DATASHEET

THE DIAMOND_e

MULTI FACETED TEST MONITOR WITH HDMI INPUT



The DIAMOND is the CCTV Engineers ultimate 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.

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

Additional features include:

- In built VK2-Remote IP camera APP
- ONVIF camera tester
- IP address discovery tool
- Manufacturer specific camera viewers
- RTSP viewer
- Screen snapshot
- Video recorder
- WIFI connection
- Colour bar generator
- Digital Multi-Meter
- CAT5e cable tester
- Cable Tracer
- IP Switch port flasher
- Ping tester
- RS45 Data monitor
- Video Player
- Audio player
- LED Flash light
- 12VDC output
- PoE output
- 5VDC USB output
- HDMI Input and Output

Key Features:

Multi format video input

The DIAMOND 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

The monitor is supplied with a UTP cable tester, which will identify straight, crossed or broken CAT5e cables

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 DIAMOND 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

TECHNICAL SPECIFICATION

Model	VK2-HD30LRIR-PM
Display	7 inch capacitive 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	Single camera IP discovery
Rapid ONVIF	Camera search with auto log in and display of image from IP cameras
IP camera type	ONVIF, ONVIF PTZ, Vista, Axis, HIKVISION, Dahua, Samsung etc.
HD Analogue	1 channel TVI/AHD/CVI BNC input, resolution supported 720p 25, 30, 50, 60fps / 1080p 25, 30fps
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 1080P
HDMI output	1 channel HDMI output, supports up to 1080p
12V/2A power output	Output DC12V/2A power to camera
USB 5V power output	5V 2A power output only, NO data
PoE power output	48V PoE power output, Max power 24W
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)
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
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, 6500mAh
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



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

DS - Diamond Test monitor - Version 1

Models In This Range

0317240
DIAMOND_e TEST MONITOR

Associated Products

0115270
Diamond audio cable (spare)

0115280
Diamond RS485 cable (spare)

0115290
Diamond BNC cable (spare)

0115300
Diamond Cable tester (spare)

0115310
Diamond Charger (spare)

0115320
Diamond camera power cable (spare)

0115330
Diamond Multi-Meter leads (spare)