

## Multiformat Rackmountable, 1RU, Waveform, Vector & Audio Monitor & Generator rasterizer\*



The new 1U rack DigiTek DT900 mixed format T&M instrument from Hamlet is ideal for any area where video and audio measurement and monitoring is required, facilitating backward or forward signal compatibility via the modular options available: including general measurement, monitoring, signal generation, EYE pattern; Analog, Embedded, AES/EBU, Dolby and surround sound monitoring. With up to four input capability, multi-viewer outputs and built in high quality speaker sets including base speaker completing the outstanding performance expected from Hamlet with a high R.O.I.

The DigiTek DT900 is unique; a multiple input, low power, 1RU, rack mountable, measurement and monitoring multi-viewer of all 3G, HD, SD, component and composite video signals with embedded, AES/EBU and analogue audio, with test signal generation and EYE display capability (depending on installed options). With outputs to any DVI or XVGA monitor the DT900 is ideal for use in any broadcast measuring or monitoring environment.

Each multi-view display quadrant can display a tiled T&M display of the input being investigated with waveforms, vectorscope and multiple audio displays. The capability and the flexibility of choice of utilising the four inputs with modules of your choice is uncommon in an instrument of this size.

Ideal for master control, pre or post production monitoring, due to its size the DT900 is also ideal for Mobile production units, trolleys, uplinks, OB vehicles. Indeed anywhere serial digital signals or multi-format measurement and monitoring are required. The modular nature of the DigiTek DT900 instrument ensures it's easy for the user to upgrade at any time, as required. The potential to choose what you need when you want it, with the fulfilment and capability not seen before the DT900 provides an excellent return on investment.

***This product contains proprietary patented designs.***

***A Hamlet "Made to Measure product"***

### Features and Functions

- Modular 1U rack mount for broadcast professionals
- Up to 6 opt. module slots providing:-
  - ✓ Up to 4 x simultaneous SDI looping I/O's
  - ✓ 1 x test signal generation
  - ✓ 1 x 16 channels Embedded AES/EBU and analogue audio
- 8 options to choose from
- Full support 3G-SDI, HD-SDI, SD-SDI with looping I/O's
- Professional sound monitoring included
- 16 channel level meters of embedded, AES/EBU and analogue audio
- Traditional control interface
- Self contained unit with in-built preview screen
- Simultaneous multi-viewer mode of up to 4 SDI channels
- Low weight, low power
- Output to any DVI or HDMI screen
- Ideal for all professional operational production, frontline maintenance, OB operations, engineering bays
- 4 year Absolute Care warranty (once registered)
- Ethernet upgrade, connect and download data
- Invented, patented, designed and manufactured in England
- Simple code upgrade to 3G operation for instrument

### **Module Options Available Description**

- HD/SD SDI input
- HD/SD SDI EYE input
- HD/SD Test signal generation
- Analog Composite input
- Audio, embedded and AES/EBU and analogue
- Dolby E/AES support option
- Loudness support option
- 3G code enable upgrade

*\* Depending on installed Module see separate module datasheets for more information*

See our website for applications

[www.hamlet.co.uk](http://www.hamlet.co.uk)

## TECHNICAL SPECIFICATION

The DigiTek DT900 has four series 900 module input slots - feature sets are dependant on the module selected.

### OUTPUTS

Serial digital output  
BNC connector. Output impedance 75 ohms. SMPTE 292, SMPTE 259M, ITU-R BT.601/656 serial component. 800mV pp.

### WAVEFORM MONITOR

Response Flat is +/- 0.5% 50Hz to 5.5MHz. Low Pass is -3db @ 1.5MHz, -60db @ 6.75MHz. Timebase H, 2H and Hmag (x5). V, 2V and Vmag. Line select is any line from the frame. Parade is a 3H display of input or filter parade

### VECTOR MONITOR

Video Traditional component or composite display. Component accuracy 0.2%. Bandwidth 3.375MHz. Composite accuracy 1%. Bandwidth 1.3MHz.

### AUDIO MONITOR

Audio Stereo phase display of left or right audio pair. Phase accuracy 2 deg. Accuracy Better than 0.1db over full scale range. Characteristics BBC, EBU, Digital, DIN, Nordic and VU.

### AUDIO MONITORING OUTPUT

D connector and 3.5mm stereo jack.

### OUTPUTS

Video  
output to DVI or XVGA monitor, (1024 x 768 @ 60Hz digital or analogue monitor, via a DVI-I socket)  
Audio  
output to D connector and 3.5mm jack

### REMOTE CONTROL

ETHERNET (RJ45) or USB

### POWER

10 to 13V d.c. to 4 pin XLR socket. 3A max.

### ENVIRONMENT

Indoor and Out door use, 5 to 45 deg.C. Ambient to 2,000m. Max humidity 80% to 31 deg.C decreasing to 50% at 40 deg.C. Overvoltage category 2. Pollution degree 1.

### PHYSICAL

**DIMENSIONS:** - 490mm x 250mm x 45mm.

**WEIGHT:** - 3Kg

**WARRANTY:** - Upon registration - 4 years from purchase date.

By using the AbsoluteCare registration area of our web site, otherwise 1 year.

<http://www.hamlet.co.uk/support/warranty/>

### ORDERING INFORMATION

#### DT900 DIGITEK

At least one module is required,

#### OPTIONS series 900 Modules

DTM1	HD/SD SDI measurement and monitoring module*
DTM2	Composite measurement and monitoring module
DTM3	HD/SD SDI measurement and monitoring module with EYE pattern*
DTP1	3G SDI code upgrade of main processing unit (MPU)
DTM4	AES/EBU and analog audio monitoring module
DTM5	Dolby monitoring module
DTM6	HD/SD SDI, Composite test pattern generation module*
DTP2	Loudness monitoring option

*\*upgrade to 3G with DTP1*



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