



## Multiformat Rackmountable 1/2 rack, 1U, Waveform, Vector & Audio Monitor & Generator rasterizer\*



The DigiScope DS900 is unique; a multiple input, low power, 1U, 1/2 rack mountable, measurement and monitoring multi-viewer of all 3G, HD, SDI, component and composite video signals with embedded, AES/EBU and analogue audio, with test signal generation and EYE display capability. With outputs to any DVI or XVGA monitor the DS900 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 DS900 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 DigiScope DS900 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 DS900 provides an excellent return on investment.

### Features and Functions

- World's first 4 input, multi-format, 1/2 rack, 1U, measurement and monitoring multi-viewer with touch screen control.
- 3G, HD, SD, Component, Composite video signals with embedded, AES/EBU and Analog audio supported.
- Four input module slots, accepts all series 900 modules
- Unique four-way multi-view measurement displays of inputs
- Display 4 inputs simultaneously, each with its own tiled T&M display of your choice
- Mix and match modules as required, including test signal generation and EYE
- Easy access to full waveform and vectorscope functionality
- Video output via DVI, XVGA and Audio I/O and jack for headphones
- Data and gamut analysis, with time code logging of assigned errors
- 12 Vdc powered via XLR mains adapter or external batteries or camera supply

### **Module Options Available Description**

- 3G, HD, SD Video input module
- 3G, HD, SD Video input module with EYE pattern included
- Video Generator
- Audio

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



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



## **TECHNICAL SPECIFICATION**

The DigiScope 900 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: - 20.5 x 32 x 4.3 cm.

WEIGHT: - 1.5Kg.

**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/>

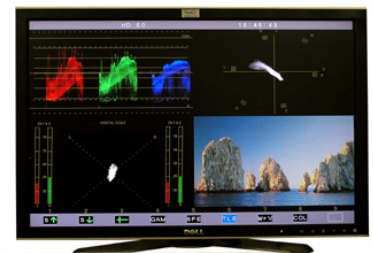
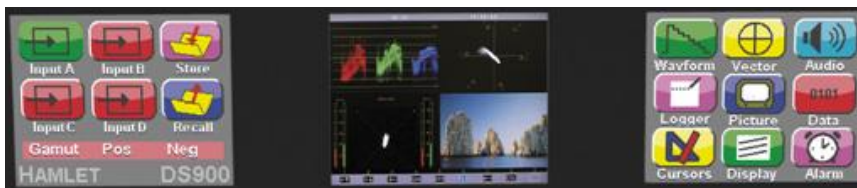
### **ORDERING INFORMATION**

#### **DS9000 DIGISCOPE**

At least one module is required, there are four modules to choose from:

#### **OPTIONS series 900 Modules**

3G, HD, SD Video input module  
3G, HD, SD Video input module with EYE pattern included  
Video Generator  
Audio



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