Hamlet ® DigiScope™   DS900G

Multiformat Rackmountable , 1RU, Waveform, Vector & Audio Monitor & Generator rasterizer* with in-built 7" IPS LCD screen on a flexible gooseneck mounting

For those requiring some flexibility of their monitoring the 1U rack DigiScope DS900G provides mixed format input capability but has an in-built 7 inch in plane switching display on a gooseneck allowing the display screen to be aligned to the perfect angle required, whilst saving space.

The DigiScope DS900G is unique; a multiple input, low power, 1RU, ½ 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. With outputs to any DVI or XVGA monitor the DS900G 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 DS900G 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 DS900G 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 DS900G 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
- Built in 7 inch IPS LCD screen on flexible gooseneck
- Up to 6 option 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
- iScope touch screen control interface
- Self contained unit with in-built preview screen
- Simultaneous multi-viewer mode of up to 4 SDI channels
- Ideal for all professional operational production, frontline maintenance, OB operations, engineering bays
- Low weight, low power
- 16 channel level meters of embedded, AES/EBU and analogue audio
- Output to any DVI or HDMI screen
- Ethernet upgrade, connect and download data
- 4 year Absolute Care warranty (once registered)
- 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

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TECHNICAL SPECIFICATION

The DigiScope DS900G 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 (Not including separate screen)
DIMENSIONS: - 490mm x 250mm x 45mm.
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
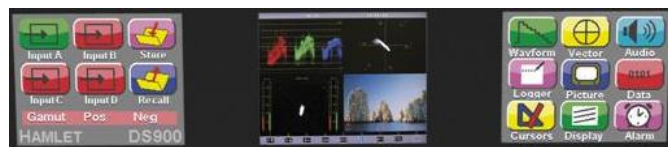## DS900G DIGISCOPE
At least one module is required,

OPTIONS series 900 Modules	
GTM1	HD/SD SDI measurement and monitoring module*
GTM2	Composite measurement and monitoring module
GTM3	HD/SD SDI measurement and monitoring module with EYE pattern*
GTP1	3G SDI code upgrade of main processing unit (MPU)
GTM4	AES/EBU and analog audio monitoring module
GTM5	Dolby monitoring module
GTM6	HD/SD SDI, Composite test pattern generation module*
GTP2	Loudness monitoring option

*upgrade to 3G with GTP1

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