

HAMLET[®]

EXCELLENCE IN VISION

Test, Measurement, Monitoring and Quality Control

Award winning solutions
for broadcast
and telecoms professionals



The Story Behind Hamlet

Established in 1986, Hamlet Video International Limited is dedicated to supplying the worldwide Broadcast Television and Telecoms community with high quality, cost effective, test, measurement, monitoring and quality control equipment. We are very pleased to augment our T&M with MSC products.

During 28 year of Test and Measurement development Hamlet have invented, patented, innovated and won numerous awards. We are pleased to continue to deliver unique T&M solutions to those who require or wish to attain the highest level of quality control and conformance to technical standards. It is with this in mind that we have a catalogue of solutions for Broadcast and Telecoms operational and front line maintenance staff, who, in their work seek absolute measurement capability and accuracy - but not in-depth technical reports on the "data words" etc of their essence. In today's environment, engineers are few and far between - but the need to comply has not disappeared.

Hamlet was the first to patent the 'on screen-in picture' test and measurement approach, and currently holds five patents in this area. Having licensed Tektronix and supplied chip sets to Leader, Hamlet still leads the field through innovative design, providing precision, functionality, flexibility at an unbeatable price.

Hamlet offers the highest return on investment for those working in the production domain, quality control and technical environments. We are also very pleased to see if we can provide bespoke solutions to those that seek them.

Hamlet manufactures a complete range of Analog and Digital, multi standard, test signal generators, analysers, EYE pattern, waveform/vector scopes and audio surround sound and stereo (analog & digital) monitoring devices. This range includes rack mount, stand alone units plus we designed Windows software covering quality control including photo-sensitive epilepsy (PSE); suitable for base band and file based QC, production, studio, master control, editing, engineering, colourists, telecine, grading, graphics, duplication and desk top video environments, as well as portable units for engineering, front line maintenance, ENG/FP, lighting cameraman, and remote site applications.

This brochure contains some of the latest Hamlet products, which represent a level of quality, flexibility, and "cost effectiveness" seldom seen in the industry today. Hamlet looks to the future guided by its banner "excellence in vision".

Our products are truly - **"Made to Measure & Irresistibly Priced"** - thank you Steve Nunney CEO Hamlet



Enterprise



Enterprise is a unique hand held portable real time analyser of Streaming IP and ASI based services encoded as MPEG-2, H264 and others – with an intuitive graphical control interface. It's intended to cater for the huge increase in internet streaming traffic that needs a convenient compliance tool that can ensure services can be successfully decoded by consumers. It's a small, ruggedized, hand held portable tablet-like enclosure with a

built-in high resolution 11.6", 16:9 split screen viewing capable touch screen.

Live stream monitoring

- High resolution integrated video/audio decoder
- Deep IP stream packet interrogation
- Quality of Service(QoS) compliancy per TR 101290
- Bit-rate view including trending and graphing
- Real time record and playback of captured stream

Mobile stream/OTT monitoring

- HLS, Flash, Silverlight, RTSP and RTP
- Monitoring of index files, segments and play sequences
- Adaptive Bit-rate (ABR) and Profile interrogator
- Reporting of timeouts, bandwidth violation and HTTP errors

Model Options: Three models to choose from: MPEG Analyser, IP/ASI MPEG Analyser and IP/ASI MPEG Analyser + Playout

Software Options: Three software version to choose from: OTT Analysis, SCTE35 DPI Analysis and IP capture and playout

MicroFlex™Mach2



Double Best of Show NAB2014 winner is the smallest, modular, hand held, combined measurement and monitoring instrument, with test signal generation and EYE display capability. Composite to SMPTE 424, 292M and 259M including embedded and AES/EBU audio. Can't be beaten for return on investment.

Options:

- 3G, HD, SD Measurement and Monitoring with EYE Pattern

- 3G, HD, SD Measurement and Monitoring
- HD, SD Measurement and Monitoring with EYE Pattern
- HD, SD Measurement and Monitoring with TSG
- HD, SD Measurement and Monitoring
- SD, Composite Measurement and Monitoring

Included:

- Carry case
- Mains Power Supply Adaptor

Options:

- Option Pouches
- Option Wraps
- Additional Mains Power Supply Adaptor

Patents Apply

DigiTek Junior DT900J

NEW



Ideal for all professional operational production, frontline maintenance, OB operations, engineering bays and many more, especially where space is a premium. The 1U, ½ rack mixed format test, measurement and monitoring platform with module options for 3G/HD/SD/SDI, Composite video, Embedded, AES/EBU and Analogue audio,

plus Test Signal Generation, EYE pattern display, Dolby E and Loudness is excellent value for money. With 8 options to choose from, once registered it comes with a 4 year Absolute Care warranty!

Options:

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

Patents Apply

Protean Magnum

NEW



Hand held multi-pattern, multi-format test signal generator with 16 x channels of embedded, audio voice and tone ids, on-screen alphanumeric ids. Uniquely can provide a source of voice identification, repeatable if required. Extremely small, light and compact, moving patterns enable scaling artifacts, video audio synchronisation and scaling malfunctions to be assessed. Powered by lithium-ion batteries with mains power adaptor included.

- 2 x identical outputs of serial video on 75 ohm BMC connectors
- SMPTE 424, 292M and 259M
- 19 industry standard test signals, including pathological, moving zone plate, white, red, green, blue, black, grey scale, circle, cross hatch, checkerboard, Cr ramp, Cb ramp, 10 step staircase, sync/flash, colour bars...
- 10 bit SD, 20 bit HD pattern generation
- 16 channel embedded audio
- Additional repeat voice and tone ids
- Moving patterns to check for freeze frames and synchronisation
- Only 102 x 64 x 32 mm or 4 x 2.5 x 1.25 inches

DigiTek™ DT900



Modular 1U rack mount for broadcast professionals
In-built pro sound monitoring system
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 & analogue audio

The new DigiTek DT900 mixed format instrument 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: With up to four input capability, multi-viewer outputs and built in high quality speaker sets including bass speaker completing the outstanding performance

Module Options Available Description

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

DigiScope™ DS900G



Multiformat Rack mountable , 1RU, Waveform, Vector & Audio Monitor & Generator rasterizer

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 viewing 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 and composite video signals with embedded, AES/EBU and analogue audio, with test signal generation and EYE display capability.

Module Options Available Description

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

DigiScope™ DS900



The DigiScope DS900 is unique; a 4 input, multi-format, low power, 1U, ½ rack mountable, measurement and monitoring multi-viewer, 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 utilising the four inputs with modules of your choice is uncommon in an instrument of this size.

Module Options Available Description

HD/SD SDI input

HD/SD SDI and EYE input

HD/SD SDI and Composite input

HD/SD Test signal generation

3G code enable upgrade

Audio, embedded and AES/EBU and analog

Dolby E/AES support option

Loudness support option

VidScope™ MH2B



Hamlet VidScope, the original Windows™ software T & M instrument, lauded by those using it as the best in the marketplace, has been teamed up with a Stream Labs capture card to produce an irresistible combination.

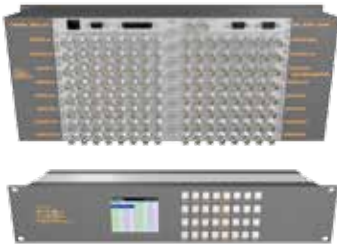
VidScope MH2B is a capture card and software combination for professionals and their PC suites. Extensive operational features outstripping the completion,

exceeding expectation, as does its price.

With automatic and objective analysis of 3G SDI, HD SDI, and SD SDI or off line AVI's, VOB's and MPEG files, this version extends VidScopes input capabilities to accepting live sources up to 3G SDI. There are settings for studio or computer RGB levels and either 8 bit or 10 bit signals are accepted.

All the usual waveform and vector displays are provided for HD users plus additional gamut error flagging modes. Gamut errors in R, G or B can be shown collectively or individually with fixed or variable gamut % limits set.

MSC Rack Router/Switches



These digital/analog video routers and audio routers are ideal for critical broadcast, post-production, multi-media, presentation, medical, sports, video assist, mobile trucks, command & control, defense (airborne and naval) government and private

enterprise applications and provide a number of options for control and integration including: local and remote, with Ethernet connected button panels.

3D 3G switchers 4x4 - 32x32

NEW ASI version - contact Hamlet sales office

Compact 3G-SDI Switchers 4x4 - 8x8

Modular 3G-SDI Switchers 16x8 - 16x16, 24x8 - 32x32, 40x8 - 64x64

VGA/RGBHV Switchers

Analog Video Switchers

AES Audio Switchers

Analog Audio Switchers

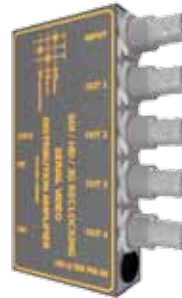
Mini Switches



Available in three versions: 2 inputs with 2 outputs, 4 inputs with 1 output and 4 inputs with 2 outputs. The 2x2 and 4x1 versions have dual BNC connectors per output. The Mini

Switch is ideal for applications that do not need rack mounting need a compact size and when low cost is important. 3G/HD/SD SDI support.

MSC Distribution Amplifiers



Hamlet is very pleased to offer these excellent 3G-SDI distribution amplifiers from MSC, they combine exceptional performance with value. The compact size of these distribution amplifiers allows them to be located in spaces where rack space is limited.

The MSC-HDDA4 and MSC-HDDA16 include 143MBPS, 270MBPS, 1.484GBPS and 2.968GBPS Auto Rate Detection with "Power OK", "Lock" and "HD" indicators. The MSC-AES/SPDIF4 is specifically designed for 75

ohm digital audio distribution. It features a wide range input circuit, which will accept any level from 100MV P-P up to 5V P-P to produce four individually buffered 1V P-P outputs.

Features and functions

Compact size. Less than 7 cubic inches

Choice of models supporting three different data rate ranges

Low power consumption. Less than 2W

Automatic cable equalization

Auto re-clock / bypass any rate from 10KBPS through 2.97GBPS

Power, Lock and HD indicator lights

All connectors on one edge for easy installation

We are proud of the outstanding reputation we have for producing highly accurate, reliable, functional, user friendly video measurement instrumentation. Hamlet products are manufactured in the UK conforming to ISO9001 accreditation, environmental ISO14001 and under BSI Kitemark IPC-A610

Test, Measurement, Monitoring and Quality Control

Since 1986 we have invented, developed, designed and manufactured Test and Measurement instruments, winning numerous awards. Now see our latest test, measurement, monitoring and QC solutions.



North America - Omnivue Inc., New York, USA

Middle East - Argosy Middle East L.L.C., Dubai U.A.E.

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