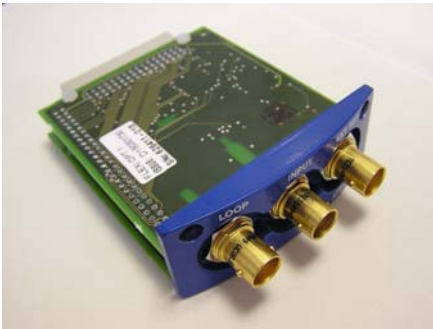


## HD/SD Waveform, Vector & Audio Monitoring



The FlexiScope Module Opt 01 allows the display of HD SDI and SD SDI video and audio signals on the 9000 series of Hamlet instruments.

The HD/SD serial input connection is made to the centre gold plated BNC socket, which is internally terminated at 75 ohms. The left BNC provides an equalised output of the input feed and the right BNC allows an external timing reference or AES audio signal to be input.

Simple to exchange modules in the FlexiScope, MicroFlex, MonitorScope 9000 and DigiScope 9000, just remove 2 screws and pull the module out of the main frame, insert new module tighten the 2 screws and you are now ready for a new set of inputs.

Television standards supported by this module:  
including 1/1.001 standards

**HD 60** is 1080/60/2:1  
**HD 50** is 1080/50/2:1  
**HD 48** is 1080/24/sf  
**HD 30** is 1080/30/1:1  
**HD 25** is 1080/25/1:1  
**HD 24** is 1080/24/1:1

**720 60** is 720/60/1:1  
**720 50** is 720/50/1:1

**SD 525** is 525  
**SD 625** is 625

*A Hamlet “Made to Measure product”*

### Features and Functions

- Input BNC.
- Loop Out BNC.
- Ext Ref. / AES input BNC.
- Auto sensing of HD and SD formats.
- Audio decode.

### Instruments that can use this Module

- FlexiScope. (Handheld)
- MicroFlex. (Handheld)
- MS9000. (Stand alone with screen)
- DS9000. (1RU Rasterizer)

See the Instruments separate datasheet for full information

## TECHNICAL SPECIFICATION

**HD/SD digital input.** BNC connector. Input impedance 75 ohms. Max d.c. +/- 10V. SMPTE 259M serial digital at 800mV p/p. SMPTE 292M high definition serial digital at 800mV p/p. Auto equalised up to 350 metres of cable at 270mb/s. Auto equalised up to 140 metres of cable at 1.485Gb/s.

**HD/SD digital output.** BNC connector. Output impedance 75 ohms. Equalised version of the serial digital input.

**Ext-ref / AES input.** BNC connector. Input impedance 75 ohms. Max dc +/- 3 volts. Video 0.5 to 2.0V p/p. Digital Audio min 150mV p/p, max 3V p/p conforming to S/PDIF, AES3, IEC60958 or EIAJ CP1201.

### POWER

Supplied from the Mainframe Instrument.

### ENVIRONMENT

Indoor 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.

**WARRANTY:** - 1 Year.

Extendable free on registration: - To 2 Years

By using the service area of our web site

<http://www.hamlet.co.uk/serv.html>

### ORDERING INFORMATION

FlexiScope Module Opt 01

These modules are available as options to the Monitor Scope 9000, DigiScope 9000, FlexiScope and MicroFlex range of instruments.

### OPTIONS

Specifications and features herein are subject to change without prior notice. Hamlet Video International Limited products are covered by a number of Applied or Granted UK, North American and World Patents. Prior art is claimed in All Territories on features and functions incorporated in the product designs herein. Hamlet is a registered Trademark of Hamlet Video International Limited. Flexiscope, Whichwire and Videoscope are registered Trademarks of Hamlet Video International Limited. Monitor Scope, Digi Scope, Adept, LCD Scope, Protean, Digi Gen, VidScope, GenPen, Micro Scope, Pico Scope, PC Scope, Chameleon, Digital Window, Programme Level Meter and Stereo Scope are Trade Marks of Hamlet Video International Limited.

Hamlet products are Manufactured to ISO9001.2000 and ISO14001 specification.  
Our most up to date information is available on our web site.

Copyright © 2008 Hamlet Video International  
01/08

**Hamlet Video International Ltd**, Maple House, 11 Corinium Business Centre, Raans Road, Amersham, Bucks, HP6 6FB, England.

Tel: - +44 (0) 1494 729728 Fax: - +44 (0) 1494 723 237 Freephone (UK): - 0500 625525

E-mail: [sales@hamlet.co.uk](mailto:sales@hamlet.co.uk) Website: [www.hamlet.co.uk](http://www.hamlet.co.uk)

**Hamlet Video International USA**, Tecads Inc, 26741 Portola Pkwy, Suite 1E, #601, Foothill Ranch, CA 92610-1763, U.S.A.

Tel: - +1 949-597-1053, Fax: - +1 949-597-1094 Toll Free: - 866-4-HAMLET

E-mail: [sales@hamlet.us.com](mailto:sales@hamlet.us.com) Web site: [www.hamlet.us.com](http://www.hamlet.us.com)

