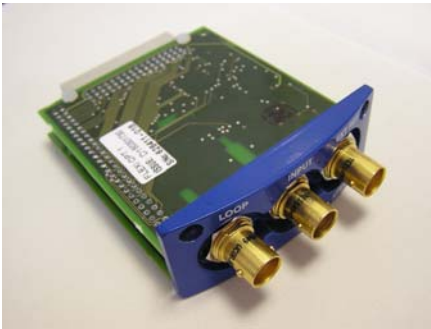


Hamlet® Flexiscope® Module

Opt 01

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

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.