

Hamlet[®] Enterprise[™]

Hand Held Live Stream Monitoring Tablet

Realtime HEVC, H.264, MPEG-2 analysis of streaming services over IP, ASI*, RF* and OTT*.



The new Hamlet Enterprise Tablet of portable stream analysers have been engineered to provide real time analysis of streaming IP and ASI based services encoded as HEVC, MPEG-2, H.264 (MPEG-4 part 10) and many other compression formats. The new RF option* allows for DVB-S and DVB-S2 signals to be monitored for:- Lock status, Modulation Type, RF Level, MER, and BER and with the addition of the optional spectrum analyser upgrade*, the Enterprise becomes a full function video monitoring product. This tablet presents an intuitive graphical user touch interface allowing for dynamic configuration with user definable presets developed on a portable and convenient handheld architecture.

This will allow the broadcaster to monitor the various streams as the broadcast landscape continues to shift into an era where audio and video are readily accessible and streamed onto almost any digital surface. The need for consolidated monitoring and analysis becomes more of necessity to any professional operation.

According to industry trends, Internet streaming traffic is expected to quadruple within the next two years. As broadcasters and service operators broaden the reach of their digital service to multiple mobile platforms over multiple streaming standards, Hamlet Enterprise provides a single compliance tablet that ensures these services can be successfully decoded by consumers. The processing engine of the Hamlet Enterprise supports a wide range of streaming protocols and adaptive bitrate monitoring tools necessary to ensure service compliance, including agile recording of impaired streams for real-time service validation and playback of recordings to prove service faults.

Features and Functions

- Analysis of live service IP / ASI/ RF / OTT transmission paths*
- High Resolution integrated video/audio decoder.
- Dual IP interfaces.
- ASI input and Output option*
- DVB-S/S2 RF Input option*
- Spectrum Analyser option*
- OTT analysis option*
- Detailed statistics on all PIDS, services and table information.
- Quality of Service (QoS) compliancy per TR 101290.
- Bitrate view including trending and graphing.
- Real time record & playback of captured streams.
- FULL 1080p display.
- Touch screen.
- HLS, Flash, Silverlight, RTSP and RTP.
- Adaptive Bitrate (ABR) & Profile interrogator.
- Reporting of timeouts, bandwidth violations and HTTP errors.
- Up to 3Hrs battery life.

* **Factory fitted option**

See our website for applications

www.hamlet.co.uk

HAMLET[®]
EXCELLENCE IN VISION

TECHNICAL SPECIFICATION

GENERAL

Storage: SSD Internal 32GB / optional expandable to 64GB.
Viewing Size: 11.6" / 16:9.
Resolution: True 1080P/60 1920x1080
Wifi: 802.11b/g/n

ETHERNET INPUT

Connector Dual RJ-45 for primary and backup link monitoring
Physical Layer: 1EEE 802.3ab
Data Rate: 10/100/1000
Protocols: UDP/RTP/IGMP v2 & v3/MDI/SPTS/MPTS/SNMP

ASI INPUT/OUTPUT (optional)

Connector: 75Ohm BNC
Bit Rate Range: 0 - 214 Mb/s
Packet Size: 188 or 204 Byte Sequence
Output: ASI On model ASIO only

DVB-S/S2 RF INPUT (optional)

Monitored: Lock status, Modulation Type, RF Level, MER, BER

Connector: BNC

Impedance: 75Ω

Frequency: 950~2150 MHz

Input level: < -23dBm

Symbol Rate: 0.2-45Msps

Modulation Types:

DVB-S2

CCM, ACM, VCM

QPSK: 1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10

8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10

16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10

32APSK: 3/4, 4/5, 5/6, 8/9, 9/10

DVB-S

QPSK+1/2, 2/3, 3/4, 5/6, 7/8

Spectrum Analyser (optional) - TBC

Frequency: ~50-2500 MHz

Bandwidth/Span: <~50 MHz

Sensitivity: > -100 dBm

OTT (optional) - TBC

Formats: HLS, HDS, RTMP, MPEG-DASH future release

Input: GigE Ethernet

WiFi future release

Codec Support: Full decode of any stream from the profile.

Video: H.264 (up to HP 4.2), HEVC up to HP 4.0 future release

Audio: MP3, AAC, HE-AAC.

TEMPERATURE

Operating: +5 to +40° C

Non Operating: -20 to +60° C

POWER

Built-In: 11.1v/4600mA Battery

Endurance: Up to 3Hrs

Adapter: DC 19V/2.1

PHYSICAL

DIMENSIONS: - 15"w x 8"h x 1.5"d

WEIGHT:- 1lbs/3.2Kg

WARRANTY: - 1 Year.

Extendable free on registration: - To 2 Years

By using the service area of our web site

<http://www.hamlet.co.uk/support/warranty/>

ORDERING INFORMATION

Hamlet Enterprise

Live Stream Monitoring Tablet

Enterprise	
ENT-101	IP MPEG Stream Analyser
ENT-102	IP and ASI MPEG Stream Analyser "all in package"
ENT-103	IP, ASI MPEG Stream Analyser and Playout "all in package"
Software options	
ENT-S101	tba
ENT-S102	OTT Analyzer Software
ENT-S103	Record & Playback Software
Hardware options	
ENT-H101	ASI input option card - factory installed
ENT-H102	DVB RF input option for card - factory installed
ENT-H103	ATSC RF input option for card - factory installed
ENT-H104	RF Spectrum Analyser board - factory installed
Accessories	
ENT-A101	Ruggedized Hard Case
ENT-A102	Expansion by 64Gb
ENT-A103	Spare Power Supply
ENT-A104	Rack Mount Rail

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Hamlet products are Manufactured to ISO9001.2000 and ISO14001 specification.

Our most up to date information is available on our web site.

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26/03/2015

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