

The 1102XW Voyager

The world's most versatile IP / ASI / RF / HD-SDI / OTT Analyzer



STREAM MONITORING SURFACE

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.

The Providius 1102XW series product line of portable stream analyzers have been engineered to provide real time analysis of streaming IP and ASI based services encoded as HEVC, H.264 (MPEG-4 part 10), MPEG-2 and many other compression formats. This platform presents an intuitive graphical user touch interface allowing for dynamic configuration with user definable presets developed on a portable and convenient tablet architecture.

This “one-box” approach integrates the essential interfaces to analyze and troubleshoot the end to end service without the needs of clunky dongles and cables. The 1102XW Voyager is also VESA mountable to a fixed bracket or swing-arm for desk-mount or in-rack applications.

MULTI STREAM OTT/ABR

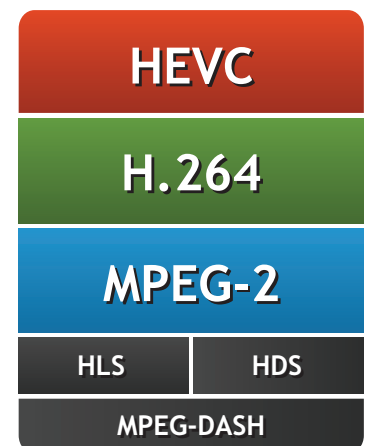
According to industry trends, Internet streaming traffic is expected to quadruple within the next two years. As broadcasters and service operators broaden the reach of their digital service to multiple mobile platforms over multiple streaming standards, the Providius 1102XW provides a single compliance surface that ensures these services can be successfully decoded by consumers.

The processing engine of the 1102XW supports a wide range of streaming protocols, such as HLS, RTMP, HDS, MSS, MPEG-DASH in addition to the adaptive bitrate monitoring tools necessary to ensure service compliance.



SATELLITE & TERRESTRIAL RF

The 1101XW Voyager also offers both satellite and terrestrial RF monitoring covering North America and world standards. This compact solution is truly an innovative spectrum analyzer ready to receive and monitor DVB-S/S2, ATSC, QAM signals. The RF interface can be added as an expansion interface to the Voyager and is ideal for mobile/OB van, cable, satellite and terrestrial applications.





1102XW-VU4-IP

GENERAL/PHYSICAL

Dimensions	11.6" w x 8.4" h x 1.2" d
Weight	4.8lbs/2.1Kg
Storage SSD	Internal 64GB/expandable to 128GB
Viewing Size	10.8" / 16:9
Resolution	True 1080P/60 1920x1080
Wifi	Wi-Fi (802.11b/g/n)
USB	USB 2.0
Operating	+5 to +40° C

POWER & BATTERY BUILT-IN 11.1V/4600MA

Endurance	Up to 2Hrs
Adapter	DC 19V/2.1A

ETHERNET INPUT

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

ASI INPUT/OUTPUT (OPTIONAL 1102HW-ASI/ASIO)

Connector	75Ohm BNC
Bit Rate Range	0 - 160 Mb/s
Packet Size	188 or 204 Byte Sequence

RF (OPTIONAL 1102HW-RF / -ATSC / DVBS2 / -QAM)

Connector	75Ohm BNC
Frequency	DVBS2 950-2175MHz, ATSC/QAM 42-1002 MHz
Power	ATSC better than -83dBm QAM -15dBmv to +15dBmv

APPLICATIONS

- Analyze live IP/ASI/RF/HD/SD-SDI/OTT transmission paths
- Essential tool for mobile truck & field operations
- Perfect for broadcast central equipment rooms
- Innovative near-field 1080P monitor for MCR's
- Agile recording of impaired streams
- Playback of recordings to prove service faults
- Designed for real-time operational trending of services
- Prove "Its the Network, not the Video Service"

HIGHLIGHTS

- High-Res 1080p video/audio/data decoder
- HEVC, H.264, MPEG-2, Adaptive Bitrates (ABR)
- Dual IP, ASI Input & Output, RF, SFP, HD/SD-SDI interfaces
- Deep IP stream packet interrogation
- Quality of Service (QoS) per TR 101290
- Bitrate view trending and graphing
- Real time record & playback of streams
- HLS, RTMP, HDS, MSS & MPEG-DASH
- Monitoring of manifest files and chunks
- Adaptive Bitrate & Profile Interrogator

1102XW-VU4-IP

Base Unit: Quad View Dual IP Input MPEG Stream Analyzer

HARDWARE OPTIONS:

1102HW-ASIO	ASI Input & Output Expansion Hardware (includes ASI playout)
1102HW-HDSDI	HD/SD-SDI Input Expansion Hardware
1102HW-SFP-R1	SFP Input Expansion Hardware (SFP module ordered separately)
1102HW-RF-ATSC	RF ATSC Input Expansion Hardware Tuner
1102HW-RF-DVBS2	RF DVB-S/S2 Satellite Input Expansion Hardware Tuner
1102HW-RF-QAM	RF 256 QAM Input Expansion Hardware Tuner
1102HW-X64GB	Internal Storage Expansion to 128GB

SOFTWARE OPTIONS:

1102SW-REM	HTTP Remote Access
1102SW-OTT	OTT / ABR / Profile Analyzer SW
1102SW-IP-PLAY	IP Playout SW

ACCESSORIES:

1102HW-RCASE	Ruggedized Hard Case
1102HW-XPS	Spare Power Supply
1102HW-RMR	19" Rack Mount Rail