BroadStream SOLUTIONS

SCREEN SYSTEMS



New U8100 Platform

Polistream is an independent, fully resilient and automated subtitle delivery and transmission system specifically designed to work with any broadcast format or platform.

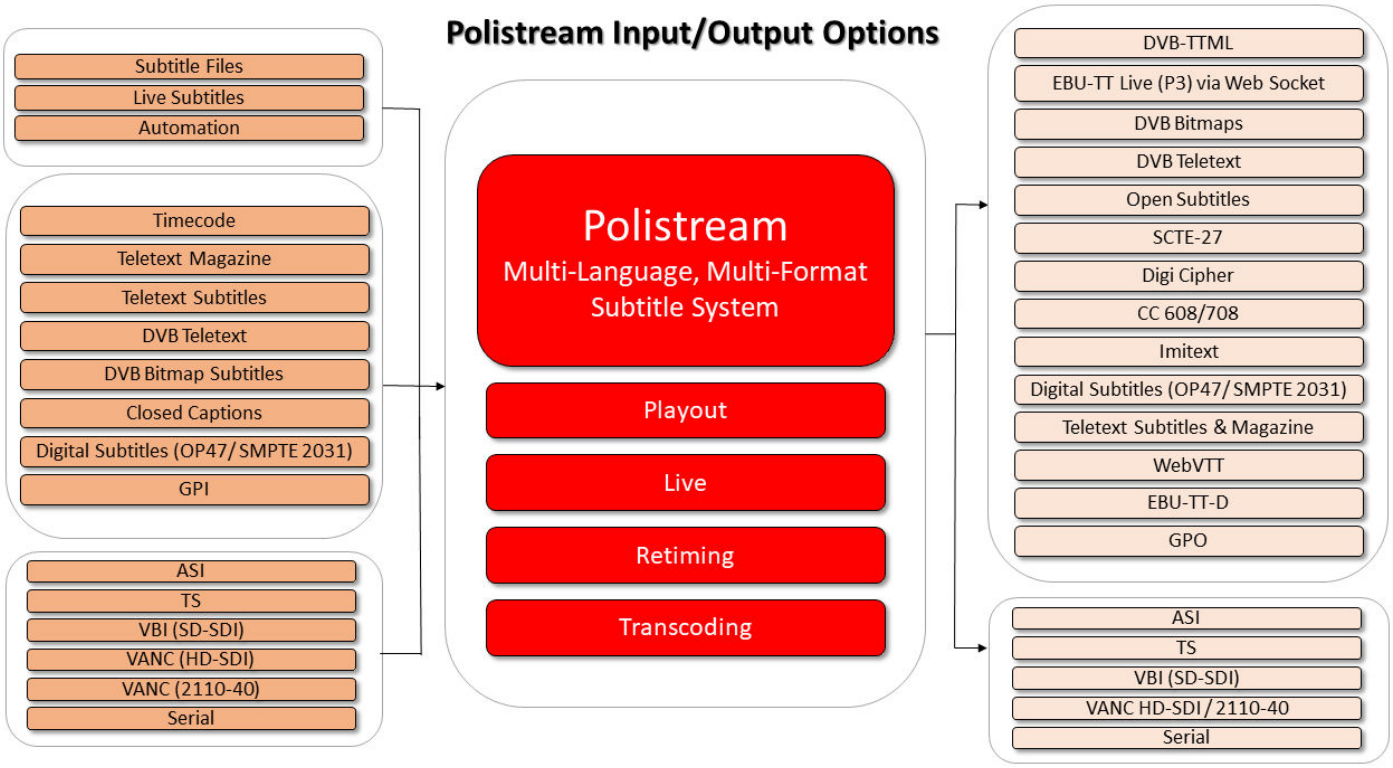
Polistream's flexible and modular design supports branding, transcoding, time-shifting and logging for subtitles, captions and graphics.

Polistream can be combined with OASYS Integrated Playout as a software solution or integrated with other automation systems using our new U8100 hardware platform configured with our vast array of software modules and internal cards to meet any subtitling requirement.

Key Features

- **Microsoft Windows Server 2022**
- **Dual power supply**
- **UHD-8 Card = more channel interfaces**
- **Multi-channel, language, format**
- **Fully expandable**
- **Mixed: Open and DVB or Teletext**
- **ASI or IP based**
- **Playout, pass-through or mixed**
- **SD, HD & UHD**
- **Transcoding of all known formats**
- **24/7/365 support**

New Expanded List of Polistream Supported Formats and Outputs



polistream

U8100 Datasheet

Operational Role

This new chassis supports the range of Polistream interface cards (including UHD-8, eight input card) and software modules.

Features

- SuperMicro 1RU Chassis
- Intel Xeon E3-2334 (Rocket LakeE/Pentium CPU
- 400GBNVMe
- SuperMicro X12STW-F-O Motherboard
- 2x 16GB DDR4-3200 2RX8 ECC VLP UDIMM
- MS Windows Server 2022 (16 Cores Base License)
- 40x40x56 mm 13K-11K RPM Counter-Rotating Fan
- Dual 400 Watt Power Supplies with 3 pin IEC connectors
- Expansion Slots:
  - ⇒ 1 PCIe 4.0 x 16 Left Riser Slot
  - ⇒ 1 PCIe 3.0 x4 (in x8, Right Riser Slot)

Rear Panel Connectors

2x RJ45 GbE LAN with Intel® i210-AT- Ethernet

1x 9 way D type Male—RS232 Serial Com 1 & 2

1x 15 way Hi-Density D type SVGA monitor connection

2 USB 2.0 ports

2 USB 3.2 Gen1 ports

1 USB 3.2 Gen2 port type A

Physical Dimensions (W x D x H)

437mm x 492mm x 43mm 1RU standard 19in rack-mounting

17.2” x 19.37” x 1.69” inches

Weight

Unit 14KG/30.1 lbs.

Shipping 17KG/37.48 lbs.

Control

There are no user configurable switches, links or front panel controls with the exception of a front panel power switch.

Indicators

Front Panel BSS Custom LEDs

Input Voltage Range

400W with 100 to 240 VAC

400W 200 to 240 VAC

Input Line Frequency

50 – 60 Hz

Regularity

Power Supply Safety/EMC

BSMI; CCC; CE/EMC; FCC class A; UL/CB; UL/CUL

Environmental Conditions

- 5°C to 35°C / 41° to 95°
- Relative humidity 8% to 90% non-condensing

Electro-magnetic Compliance & Safety

Electromagnetic Emissions: FCC Class A, EN 55022 Class A, EN 61000-3-2/3-3, CISPR 22 Class A

Electromagnetic Immunity: EN 55024/CISPR 24, (EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11)

Safety: CSA/EN/IEC/UL 60950-1 Compliant, UL or CSA Listed (USA and Canada), CE Marking (Europe)

Datasheet specifications are subject to change without notice and do not form part of any contract.

All trademarks recognized E&OE.



BroadStream embraces the adoption of COTS or Component-off-the-Shelf sourcing to provide reliable and durable hardware that is cost-effective, easier-to-repair and upgrade.

Our new Universal 1U 8100 chassis embraces this IT centric approach yet continues Screen’s tradition of employing a broad array of software modules and internal cards to create a subtitle encoding and transmission system that is highly flexible and reliable to meet your exacting requirements.

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