SMART Media Delivery Platform™

FUNCTIONS

- Video-Over-IP Transport of 3G/HD/SD-SDI, ASI
- Single double high module can be configured as Video to IP Transmitter or IP to Video Receiver
- Fully transparent carriage of 3G/HD/SD-SDI, and ASI including audio and ancillary data
- Four GigE data ports bridged to 10G interface
- VLAN tagging capabilities

FEATURES

Automatic rate selection
- 2.970 Gb/s 3G-SDI (ST 424:2012)
- 1.485 Gb/s HD-SDI (ST 292:2011)
- 270 Mb/s SD-SDI (ST 259:2008, ITU 656)
- DVB-ASI to more than 200 Mb/s

SMPTE standards-based encapsulation and forward error correction
- ST 2022-7:2013 Seamless Protection Switching
- ST 2022-6:2012 IP Encapsulation of high bit rate media (HBRMT) (SDI)
- ST 2022-5:2013 FEC recovers lost, damaged, or delayed packets of HBRMT
- ST 2022-2:2007 IP Encapsulation of MPEG2 TS (ASI)
- ST 2022-1:2007 FEC recovers lost, damaged or delayed packets

Flexible user configurable FEC and buffering settings
- Selectable transmitter row and column Forward Error Correction settings
- Selectable receiver buffering
- Designed to withstand burst outages in excess of 3 ms

Supports unicast or multicast streaming
Externally accessible SFP+ transceiver for 10G trunk interfaces
- WDM (1310 nm, 1550 nm)
- CWDM ITU G.694.2 (Channels 27-61)
- DWDM ITU G.694.1 (Channels 21-60)

Externally accessible SFP transceiver for 1G user interfaces
- Optical budget to 33dB
- WDM (1310nm, 1550nm)
- CWDM ITU G.694.2 (Channels 27-61)
- DWDM ITU G.694.1 (Channels 21-60)

Front panel HD-BNC monitor
Configure, monitor, and manage via DigiLink Manager or SNMPv2
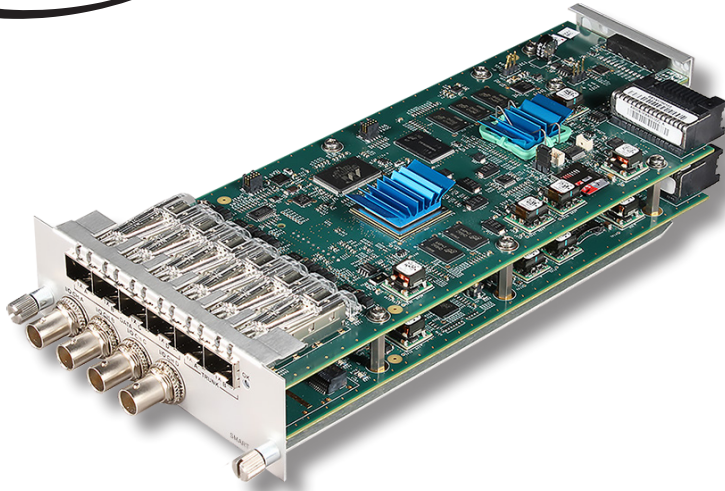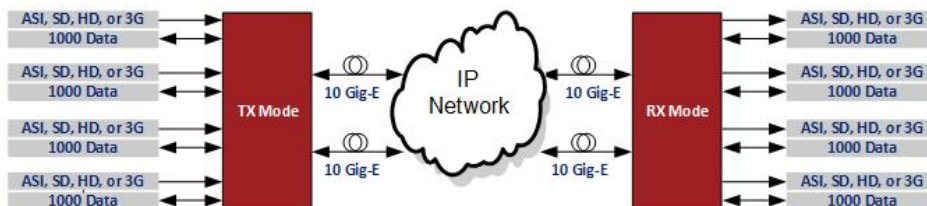
The SMART Media Delivery Platform™ is a four-channel auto-sense 3G/HD/SD-SDI and ASI over IP multifunction gateway with an integrated nonblocking Layer 2/3 switch

As the industry continues to move towards all IP networks, there is a need to provide more efficient, and cost effective media delivery. The SMART Media Delivery Platform is a four-channel auto-sense 3G/HD/SD-SDI-over-IP multifunction gateway with an integrated nonblocking Layer 2/3 switch.
The Platform offers greater port density and utilization of 10 Gig Ethernet trunks. A four port Gig-E interface bridges user data to the 10 Gig Ethernet interfaces.

The SMART Platform utilizes SMPTE ST 2022 Video-Over-IP Standards for encapsulation, forward error correction (FEC) , and seamless protection switching. Also, the platform offers VLAN tagging and bandwidth management capabilities.
Functionality of the platform may be added to or upgraded via software download. The flexibility of function capabilities in the SMART Platform allows for a seamless transition as the end user's network evolves.

■ SPECIFICATIONS

Environmental

Operating Temperature	0 to 50°C
Ambient storage temperature	-40 to 80°C
Relative humidity	10 to 95% (non-condensing)
Power dissipation	38 Watts

Note: Refer to the SMART Media Delivery Platform Installation and Operations Manual for DL4000 chassis power supply limitations.

Physical

Dimensions	1.6" x 5" x 10.8"
	2 slots in chassis
Weight	<2 pounds (1kg)

Video Interface

Signal Formats (auto sensing)	2.970 Gb/s 3G-SDI (ST 424:2012)
	1.485 Gb/s HD-SDI (ST 292:2011)
	270 Mb/s SD-SDI (ST 259:2008, ITU 656)
	DVB-ASI to more than 200 Mb/s
Connectors	4 Rear BNC 75 Ohm (input or output)
Return Loss	>15 dB, 5-1485 MHz
Cable Equalization for Belden 1694A type cable:	0-80 meters 2.97 Gb/s), 0 to 100 meters (1.485 Gb/s), 0 to 250 meters (270 Mb/s) 0 to 250 meters (270 Mb/s)
Chassis Compatibility	DigiLink 4360x, DL4000 InfinityLink IL6000 chassis

10G Network Interface (Trunk)

Type	Ethernet SFP+ (2)
Optical Connectors	LC
Format	10 Gig-E

Gig E User Data Interface

External SFP	(4) Optical or RJ-45
Internal	1 to other modules in chassis
Data Rates	1000 Ethernet

Regulatory Conformance

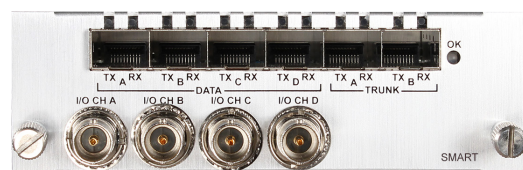|	
Compliance:	CSA 60950, IEC/EN60950, EN55022 FCC Part 15 (Class A), CISPR 22

UPDATED 09/21/2022
All specifications subject to change without notice. ©2018
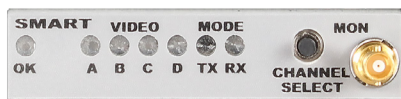
SMART front panel video and data I/O and status LEDs

SMART rear panel video and data I/O and status LEDs

AR206-008454-10_D

Ordering Information

Model	Description	Part #
SMART - 2022	SMART Media Delivery Platform w/SMPTE ST 2022	390-008454-10
SFP/SFP+ Options	*See SFP/SFP+/XFP compatibility chart*	

Monitor Cable Model	Description	Part #
DL100HDMC-72	Monitor Cable, 75-Ohm HD-BNC to BNC	396-001010-72

Sales

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