

Lightspeed Live Capture Family

Product Sheet



Lightspeed Live Capture Server Family

Telestream® Lightspeed® Live Capture Family of servers offer high quality encoding in a range of products for a variety of customer applications. Live Capture servers are part of Telestream's portfolio of professional enterprise-class Live video products.

Overview

This document describes three Live Capture servers that make up the Lightspeed Live Capture server family. Each Live Capture server is a 1RU video capture appliance designed for demanding enterprise-class broadcast and professional video capture applications. The three members of the family are:

- Live Capture C2+, four (4) 3G-SDI SD/HD inputs or one (1) Quad-Link UHD/4K input
- Live Capture C4, higher performance server containing eight (8) 3G-SDI SD/HD inputs or two (2) Quad-Link UHD/4K inputs
- Live Capture C5, higher performance server containing eight (8) 3G-SDI SD/HD inputs or two (2) Quad-Link UHD/4K inputs with eight (8) 3G-SDI confidence monitor outputs

Server Descriptions

The Live Capture family of servers allows for broad sizing and performance coverage and offers three tiers of server capacity for covering a broad range of customer needs. All servers share Live Capture's suite of user interfaces, including VTR Log and Capture, supports source input pass-thru allowing for an input's incoming SDI stream to be looped out via an SDI output, and uses the same basic 1RU chassis.

Live Capture C2+ – this server model is our base Live Capture server capturing SD/HD from four 3G-SDI source inputs or IP source inputs. It supports all Live Capture's SD and HD codecs and containers and many UHD/4K codecs.

Live Capture C4 – The Live Capture C4 server offers the highest performance option in the Live Capture server family. The Live Capture C4 server supports 8 concurrent HD captures for most available HD codecs or 2 concurrent UHD/4K up to 60p with most UHD/4K codecs, including XAVC Class 300/480*. For exact performance capabilities refer to the latest Lightspeed Live Capture User Guide.

Live Capture C5 – The Live Capture C5 server offers the highest performance option in the Live Capture server family, identical to the C4. The Live Capture C5 server supports 8 concurrent HD captures for most available HD codecs or 2 concurrent UHD/4K up to 60p with most UHD/4K codecs, including XAVC Class 300/480* with 8 concurrent, confidence monitor outputs. For exact performance capabilities refer to the latest Lightspeed Live Capture User Guide.

Hardware			
Chassis	1RU, Dual Redundant 750W PS		
CPU	Dual Intel 12 Core	Dual Intel 24 Core	Dual Intel 24 Core
GPU	Nvidia RTX4000 GPU		
RAM	48GB	192GB	192GB
Available PCIe slots	1 full height		
OS Drive	240GB - SSD		
Media Storage RAW Capacity	6.9 TB	7.7 TB	7.7 TB
Media Storage drive type (default)	4X SSD	4X SSD	4X SSD
Media Drive RAID Controller type	Hardware SAS	Hardware SAS	Hardware SAS
Media RAID Type (default)	RAID 5	RAID 5	RAID 5
Input Card	Corvid-44	Corvid-88	2 X Corvid-88
Number of 3G-SDI inputs enabled	4	8	8
10Gbe Ethernet Ports	4 x 10GBase-T	4 x 10GBase-T	2 X 10G SFP+
USB Ports	5X USB3.0		
VTR Control - RS422	2	4 or 8	4 or 8

Hardware Options			
VTR Control (LS-LIVE-RS422/LS-LIVE-RS422-8)	4	4 or 8	4 or 8
Media Storage Upgrade		Upgradable to 15.4TB	Upgradable to 15.4TB
OS Drive RAID1 (LSL-OS-RAID1-OPT)	✓	✓	✓
12G SDI option (LSL-LIVE-AJA44-12G)		✓	
ST2110 option (LS-LIVE-I2-25G2110)		✓	
Dual 10Gbe SFP+ PCI card (LSL-10GBESPF-DUAL)	✓	✓	
Dual channel (LSL-16G-FIBRE-DUAL)	✓	✓	
Software Options			
Live Schedule (LSL-SCHED-OPT-PLUS)	✓	✓	✓
*Live Schedule Router Control options	✓	✓	✓
Live Play (LSL-LIVEPLAY-OPT)	✓	✓	✓
GLIM Live Edit (LS-LIVE-GLIM-LE)		✓	✓
Avid Integration (LS-LIVE-AVID-OPT)	✓	✓	✓
Vantage Transcode (LSL-XCODE-SW)	✓	✓	✓
Vantage Transcode Pro (LSL-XCPRO-SW)	✓	✓	✓
Vantage Metadata (LSL-METADATA-SW)	✓	✓	✓
Comprimoto JPEG 2000 option (LS-LIVE-CAP-J2K)	✓	✓	✓

*Contact Telestream or your reseller for detail

Control Software			
Live Capture (Manual/Gang recording/Status View)	✓	✓	✓
Tape Capture (VTR Log and Capture via RS422)	✓	✓	✓
Source Manager (Input configuration)	✓	✓	✓
GLIM Live Edit (Live sub clipping option)	Option	Option	Option
Live Schedule option	Option	Option	Option

Record Triggers			
Manual - Manual Gang, Manual Timed.	✓	✓	✓
Recurring Segment (segments up to 8 hours)	✓	✓	✓
DAI (SCTE)	✓	✓	✓
Web Service	✓	✓	✓
Schedule	✓	✓	✓