

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, two (2) 3G-SDI SD/HD inputs
- Live Capture C3, eight (8) 3G-SDI SD/HD inputs or two (2) Quad-Link UHD/4K inputs
- Live Capture C4, higher performance server containing eight (8) 3G-SDI SD/HD inputs or two (2) Quad-Link UHD/4K inputs

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 two 3G-SDI source inputs or IP source inputs. It supports all Live Capture's SD and HD codecs and containers.

Live Capture C3 – In the middle of the Live Capture server family is the 8 channel Live C3 Capture server. The Live Capture C3 server can capture 8 concurrent HD channels using Apple ProRes up to 444, Avid DNxHD up to HQX/and others, 6 concurrent channels of AVC-I/XAVC-I/Avid DNxHD 444 10-bit/Sony XDCAM HD 422. The Live Capture C3 server can also concurrently capture 2 UHD/4K channels at 60p using Apple ProRes (up to HQ) or Avid DNxHR (up to HQX). For exact performance capabilities refer to the latest Lightspeed Live Capture User Guide.

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 C2 | Live Capture C3 | Live Capture C4 |
|------------------------------------|---|--------------------|--------------------|
| Hardware | | | |
| Chassis | 1RU, Dual Redundant 750W PS | | |
| CPU | Dual Intel 8 Core | Dual Intel 18 Core | Dual Intel 24 Core |
| GPU | Nvidia Quadro GPU | | |
| RAM | 48GB | 96GB | 192GB |
| Available PCIe slots | 1 full height - best used connecting to shared storage over fibre | | |
| OS Drive | 240GB - SSD | | |
| Media Storage RAW Capacity | 1.9 TB | 4.8 TB | 7.7 TB |
| Media Storage drive type (default) | 2X SSD | 4X 10K | 4X SSD |
| Media Drive RAID Controller type | Software SATA | Hardware SAS | Hardware SATA |
| Media RAID Type (default) | RAID 0 | RAID 5 | RAID 5 |
| Input Card | Corvid-44 | Corvid-88 | Corvid-88 |
| Number of 3G-SDI inputs enabled | 2 | 8 | 8 |
| 10Gbe Ethernet Ports | 4X 10GBase-T ports | | |
| 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) | 2 | 4 or 8 | 4 or 8 |
| Media Storage Upgrade | Upgradable to 3.8TB | Upgradable to 9.6TB | Upgradable to 15.4TB |
| OS Drive RAID1 (LSL-OS-RAID1-OPT) | ✓ | ✓ | ✓ |
| Software Options | | | |
| Live Schedule | ✓ | ✓ | ✓ |
| Live Play | ✓ | ✓ | ✓ |
| Live Edit (LS-LIVE-LIVEEDIT) | ✓ | ✓ | ✓ |
| Avid Integration (LS-LIVE-AVID-OPT) | ✓ | ✓ | ✓ |
| Vantage for Live Capture | ✓ | ✓ | ✓ |

| Control Software | | | |
|--|--------|--------|--------|
| Live Capture (Manual/Gang recording/Status View) | ✓ | ✓ | ✓ |
| Tape Capture (VTR Log and Capture via RS422) | ✓ | ✓ | ✓ |
| Source Manager (Input configuration) | ✓ | ✓ | ✓ |
| 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 | ✓ | ✓ | ✓ |

Options – S/W and H/W

Software Options

- Live Capture Pro bundle
 - Vantage for Live Capture – Flip64 Action
 - Live Edit subclipping
- Avid Integration
- Live Edit subclipping
- Live Schedule

Hardware Option

- Media RAID expansion
- O/S Drive RAID1
- RS422 VTR control – 4 or 8 channels

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