

ALTERNATIVE SOLUTIONS

MEDICAL APPLICATIONS

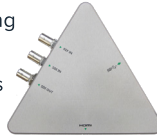
DELTACAST I/O boards are

- ▶ Tested for IEC/EN 60601-1-2
- ▶ Secured with video failovers
- ▶ Compatible with medical software frameworks
- ▶ Low-latency paired with GPU



CUSTOM DESIGN

- ▶ Electronics, software & mechanics
- ▶ IA design & optimization for real-time processing
- ▶ Flexible OEM building blocks
- ▶ Integration into a plethora of video applications
- ▶ Custom firmware for any DELTACAST board



SMPTE ST 2110

Developer tools **VideoMaster**

100GbE Video graphics **Jetson**

SDI **AI** Overlays **Keyer**

HDMI™ **Unified SDK** **4K** **8K**

Custom design **RDMA** **DPDK**

Ultra-low latency

ABOUT DELTACAST

Born from the TV broadcast industry, DELTACAST is a leader in the design, development and manufacturing of live video transport and processing solutions for OEMs and developers. Our solutions deliver the highest quality and the lowest latency to serve the most demanding applications in TV broadcasting, ProAV industry, medtech, aerospace and many other markets.



Interfacing is our work



Premium support



100% under your control



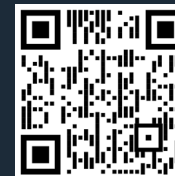
Quality excellence



The quality management system developed by DELTACAST fulfills the requirements of the ISO 9001:2015 standard

DELTACAST

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VIDEO SOLUTIONS FOR OEM AND DEVELOPERS

DELTACAST

BROADCAST SOLUTIONS

IP SMPTE ST 2110

- ▶ Hardware boards up to 25GbE
- ▶ Support for ST 2110-20 (video), -22 (compressed video), -30 (audio), -40 (ancillary data)
- ▶ ST2022-7 - Seamless Protection Switching
- ▶ Hardware PTP
- ▶ In-band and out-of-band NMOS
- ▶ IPMX-ready
- ▶ IP Virtual Card alternative for software ST 2110 over standard NIC



HIGH-DENSITY SDI

- ▶ Up to 8x 4K60 / up to 12x 1080p60
- ▶ Highly configurable I/Os
- ▶ SD/HD/3G/6G/12G-SDI
- ▶ Multi-link 4K and 8K transport in quadrants and 2SI modes
- ▶ BNC, DIN or HD-BNC connectors
- ▶ HDR formats support
- ▶ Input synchronization, output genlocking
- ▶ Onboard LTC reference input, or through LTC optional module
- ▶ Automatic failover on some models



LOW-COST HD I/O

- ▶ Cost-effective 3G-SDI I/O boards
- ▶ Fixed configurations
- ▶ Up to 1080p60
- ▶ Multiple models available
- ▶ Up to 4 channels with BNC or DIN connectors
- ▶ Automatic failover on some models



FOR OEM AND DEVELOPERS

UNIFIED VIDEOMASTER SDK

- ▶ Supports all DELTACAST video I/O boards
- ▶ Unified framework with dedicated features for SDI, IP, HDMI, DVI, DISPLAYPORT and ASI
- ▶ Ultimate Low Latency with sub-frame access
- ▶ C/C++ API
- ▶ Drivers for Windows and Linux PC computers, macOS, and ARM platforms
- ▶ NVIDIA GPUDirect RDMA support
- ▶ Comprehensive documentation and samples



OPEN-SOURCE SAMPLES

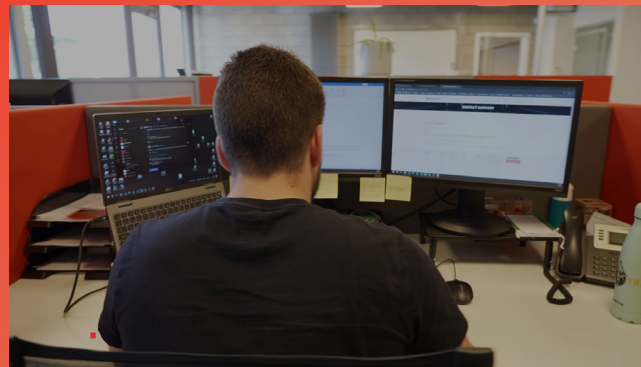


THIRD-PARTY INTEGRATIONS



PREMIUM SUPPORT

- ▶ First-class technical support given by DELTACAST engineers
- ▶ Answering integration questions and helping troubleshoot your deployments



PRO AV SOLUTIONS

HDMI™ AND DISPLAYPORT™ /DVI

- ▶ Up to HDMI 2.1
- ▶ TMDS and FRL formats support
- ▶ Video formats up to 8K60
- ▶ Audio capture
- ▶ High frame rate up to 240fps
- ▶ 4:4:4 10/12-bit and HDR format support
- ▶ 2 or 4 channels
- ▶ Compatibility with DisplayPort and DVI



HYBRID WORKFLOWS

- ▶ Two or more I/O technologies on the same board
- ▶ SDI and HDMI
- ▶ SDI and ST2110
- ▶ SDI and DVB-ASI



DENSITY & FLEXIBILITY



- ▶ FLEX ecosystem made of PCIe gateways and external I/O modules
- ▶ Connect up to 32 I/O on a single PCIe slot
- ▶ External I/O modules for SDI, HDMI and DisplayPort
- ▶ Frame accurate synchronization
- ▶ Up to 32x HD – 8x 4K
- ▶ Rack-mount design

DELTACAST