SOLVING COMPLEX VIDEO CHALLENGES

AI video processing   5G   8K

PTP   ST 2110   DisplayPort

IP contribution   Virtualization

NMOS   HDR   4K   HDMI 2.0

Remote production   Cloud

Optical fiber   PCIe   SRT

12G SDI

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.

ISO 9001

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

Interfacing is our work

Premium support included

100% under your control

Quality excellence

DELTACAST

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LIVE VIDEO TRANSPORT & PROCESSING SOLUTIONS

DELTACAST

V_03_2022

INTERFACING IS OUR WORK

SDI

More than 30 different models

From 1 to 12 configurable in/out

From SD to 8K

SD/HD/3G/6G/12G-SDI

Multi-link 4K and 8K transport in quadrants and in 2SI mode

BNC, DIN or HD-BNC connectors

HDR formats support

Input synchronization, output genlocking

Onboard LTC reference input, or through LTC optional module

Automatic bypass relays on some models

IP

2 x 10GbE ports via SFP+

ST2110 and ST2022-5/6 stream capture and playout

ST2022-7 - Seamless Protection Switching

Mezzanine compression for 4K support

Unicast and Multicast IGMP

PTP support

HDMI™ / DISPLAYPORT™ / DVI

HDMI™ 2.0 600 MHz TMDS clock

HDMI video formats up to 4K60

Audio capture

High frame rate HD (up to 120Hz)

HDR formats support

2 inputs

Low-profile form factor

DisplayPort and DVI support

ASI

Up to 8 configurable in/out

Optional automatic bypass relay

DVB/CENELEC standard EN50083-9

188 or 204-byte packets

Up to 214 Mbps bitrate per port

MIXED VIDEO INTERFACES

SDI and HDMI / SDI and ASI

100% UNDER YOUR CONTROL

VIDEOMΔSTER SDK

▷ Supports all DELTACAST video cards

▷ Unified framework with dedicated features for SDI, IP, HDMI, DVI, DISPLAYPORT and ASI

▷ Ultimate Low Latency with sub-frame access

▷ C/C++ API

▷ DirectShow filters
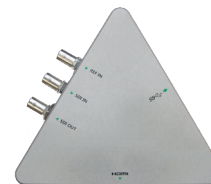
FREE SOFTWARE APPLICATIONS AND DOCUMENTATION

▷ Comprehensive documentation

▷ Free applications : dCARE, dREC, dMOSAIC, dSCOPE, E-EDID Editor

TAILORED TO YOUR NEEDS

CUSTOM DESIGN

Electronics, software & mechanics

Flexible OEM building blocks

Integration into a plethora of video applications

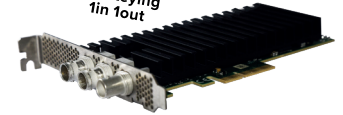Custom firmware for any of our boards

PREMIUM SUPPORT INCLUDED

First-class technical support by email, or even by phone in case of critical needs

REAL TIME HARDWARE PROCESSING

NEW
12G Keying
1in 1out

KEYER

Available in 3G and 12G SDI

Up to 4 onboard keyers

INNOVATIVE SOLUTIONS FOR THE NEW USE CASES

SMOOTH TRANSITION TO IP

Expertise in IP and ready-to-use modules

ST2110, DPDK kernel bypass, PTP, NMOS

IP VIRTUΔL CΔRD

▶ Software only solution

▶ ST2110 Video capture and playout on standard NIC cards

▶ Unified SDK

▶ Protocol abstraction

▶ Video, audio and ANC support

▶ Scalable performances

▶ Virtualization ready

ULTIMATE LOW LATENCY NEW

▶ The shortest way to real-time

▶ Software defined ultra-low latency

▶ Sub-frame video-in to video-out

▲ FLEX

FLEX brings flexibility, high density and scalability in live production environments. FLEX unleashes the limits of what you can do on a single low-profile PCIe slot.

▶ Connect up to 32 I/O on a single PCIe slot

▶ External I/O modules for SDI, HDMI 2.0 and DisplayPort 1.2

▶ Frame accurate synchronization

▶ Up to 32x HD — 8x 4K

▶ Rack-mount design