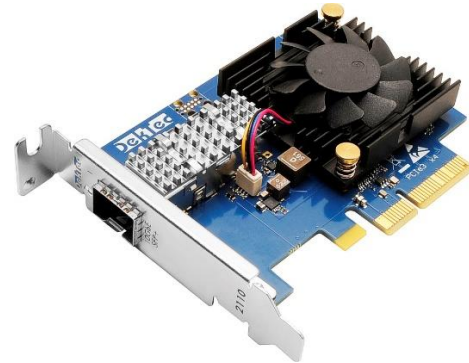


# 10G Network Card Optimized for SMPTE 2110

- ❑ Outperforms the competition in efficiency
- ❑ Simplifies SMPTE 2110 application creation
- ❑ Advanced timestamping and traffic shaping

## FEATURES

- Efficient 10G network card for Linux and Windows, utilizing hardware acceleration to minimize video-over-IP overhead.
- Fully compliant with SMPTE 2110 and SMPTE 2022-5/6 protocols.
- Supports SMPTE 2022 TS over-IP streams encapsulation/decapsulation with IP FEC.
- Six optimized hardware pipes (3x Rx, 3x Tx), designed for superior performance.
- Precise timestamping and traffic shaping with local time-of-day counter syncing to PTP.
- SFP+ slot for 10G and 1G interfaces, catering to both electrical and optical connections.
- Advanced hardware task offloading for efficient general network traffic handling.
- Seamless integration with FFmpeg.
- Intuitive AV FIFO API, purpose-built to streamline and simplify IP streaming tasks.



## APPLICATIONS

Perfect for applications previously using SDI, that are now modernized for SMPTE 2110:

- Software encoders, decoders, transcoders.
- Monitoring and multiviewers.
- Compliance recording

The DTA-2110 supports the transition from SDI to IP infrastructure, ensuring enhanced efficiency and performance.

## KEY ATTRIBUTES

Parameter		Value
Ports		1x 10G/1G SFP+
IP protocol version		IPv4, IPv6
SMPTE 2022	TS-over-IP	ST 2022-1/2
	SDI-over-IP	ST 2022-5/6
SMPTE 2110	Timing	ST 2110-10
	Video	ST 2110-20/21
	Audio	ST 2110-30/31
PTP		ST 2059-1/2
SFP+ slot		SFF-8431
PCI Express		Low-profile PCIe3 x4
OS	Windows	10, 11; Server 19, 22
	Linux	4.x, 5.x

## ORDERING INFORMATION

Type	Description
DTA-2110-SLP	10GbE NIC optimized for SMPTE 2110 with <i>StreamXpert Lite</i> and <i>StreamXpress</i>
DTA-2110-SXP	10GbE NIC optimized for SMPTE 2110 with <i>StreamXpert</i> and <i>StreamXpress</i>
DTA-2110-OEM	Please contact DekTec for OEM applications of the DTA-2110

Please refer to [www.dektec.com](http://www.dektec.com) for the latest pricing and a list of distributors and resellers.