

12G-SDI I/O Adapter with HDMI 2.0 Monitor Output

- 12G-SDI input and 12G-SDI output port
- HDMI 2.0 port is copy of 12G-SDI output
- Fully supported by Matrix API 2.0

FEATURES

- 12G-SDI input port for ingesting UHD signals up to 4Kp50/60
- 12G-SDI output port with HDMI 2.0 copy for creating UHD signals up to 4Kp50/60
- Bi-level and tri-level genlock input port, or digital genlock through port 1
- 4-lane PCI Express generation 3 interface for ample bus bandwidth
- Hardware and Matrix API 2.0 provide efficient and convenient access to SDI frames:
 - Separation of audio (all channels) and ancillary data
 - On-board 1/4 or 1/16 video scaling for generating previews
 - Sophisticated DMA engine
 - Conversion from and to 16-bit data
- Free drivers and SDK (DTAPI) for Linux and Windows 7/8/10



APPLICATIONS

- General purpose I/O card for processing 12G-SDI streams in a PC
- Flexible ASI/SDI stream station (generator, analyzer) for all SDI rates up 12G-SDI
- 4K software encoder (H.264, HEVC) with 12G-SDI input and ASI output

KEY ATTRIBUTES

Parameter	Value
Ports	1x 12G-SDI input 1x 12G-SDI output 1x HDMI 2.0 output 1x genlock port
Physical layer	DVB-ASI : EN50083-9 SD-SDI : SMPTE 259M HD-SDI : SMPTE 292M 3G-SDI : SMPTE 424M 6G-SDI : SMPTE 2081 12G-SDI: SMPTE 2082
Connectors	3x 75-Ω BNC HDMI type A receptacle
Return loss	> 10dB @ 0 to 3GHz > 5dB @ 3 to 12GHz
PCI Express	PCIe gen3 x4
OS	Windows 7/8/10; Linux 2.6, 3.x

SUPPORTED FORMATS

Formats
525i, 625i
720p23.98/24/25/29.97/30/50/59.94/60
1080p(sf)23.98/24/25/29.97/30
1080i50/59.94/60
1080p50/59.94/60
2160p50/59.94/60

ORDERING INFORMATION

Type	Description
DTA-2195	12G-SDI input/output port with HDMI 2.0 monitor output for PCIe
DTA-2195-SLP	DTA-2195 with <i>StreamXpress</i> [®] and <i>StreamXpert</i> [®] Lite
DTA-2195-VR-J2K-SY-SXP	DTA-2195 with <i>VF-REC</i> , <i>SdEye</i> , <i>StreamXpress</i> [®] and <i>StreamXpert</i> [®]