

Product Spec Sheet from Rentex

Blackmagic Design UltraStudio Express

Download Spec Sheet @ www.rentex.com/spec/XVP2165.pdf

Rentex Product No.XVP2165



Mfr Part No. BDLKULSDEXPRESS

Inputs Video:

SDI x1 10-bit SD/HD switchable
HDMI type A x1
Via breakout cable:
Component YUV x1 on 3 BNC or RCA connectors,
supports HD and SD, switchable to S-video or composite

Audio:

Via breakout cable:
Analog -- 2 channels via balanced XLR connectors or unbalanced RCA connectors
AES/EBU -- 2 channels unbalanced with sample rate converter on BNC connector
SDI -- 16 channels embedded HD / 8 channels embedded SD
HDMI -- 2 channels embedded in SD and HD

Outputs Video:

SDI x1 10-bit SD/HD switchable
HDMI type A x1
Via breakout cable:
Component YUV x1 on 3 BNC or RCA connectors, supports HD and
SD, switchable to S-video or composite

Audio:

Via breakout cable:
Analog -- 2 channels via balanced XLR connectors or unbalanced RCA connectors
AES/EBU -- 2 channels unbalanced with sample rate converter on BNC connector
SDI -- 16 channels embedded HD / 8 channels embedded SD
HDMI -- 2 channels embedded in SD and HD

Sync Input Blackburst in SD, 720p50, 720p59.94, 1080i50 and 1080i59.94 formats or Tri-Sync in any HD format

Device Control Sony compatible RS-422 deck control port;
Serial ports TxRx direction-reversible under software control

Computer Interface Thunderbolt x1

Color Precision 10-bit

Color Space REC 601, REC 709

SDI Metadata Support VITC read for 3:2 pulldown removal. VANC capture and playback using up to 3 lines of video in file. HD RP188. Closed captioning.

SDI Compliance SMPTE 259M, SMPTE 292M and SMPTE 296M

Format Support **SD:** 625/25 PAL, 525/29.97 NTSC
HD: 720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080PsF23.98, 1080p23.98, 1080PsF24, 1080p24, 1080PsF25, 1080p25, 1080PsF29.97, 1080p29.97, 1080PsF30, 1080p30

Sync Input Blackburst in SD, 720p50, 720p59.94, 1080i50 and 1080i59.94 formats or Tri-Sync in any HD format

Sampling **Video:** 4:2:2
Audio: Television standard sample rate of 48 kHz and 24-bit

HDMI Configuration HDMI automatically configures to connected display

HDMI Resolution Pixel for pixel HD resolution input to connected device

HDMI Color Precision 10-bit

Multi-Rate Support SDI and HDMI video connections are switchable between standard definition and high definition. SDI switches between 270 Mb/s standard definition SDI, 1.5 Gb/s HD-SDI and 3 Gb/s HD

Copy Protection HDMI input is unable to capture from copy protected HDMI sources / always confirm copyright ownership before capture or distribution of content

Colorspace Conversion Hardware based real time

HD Down Conversion Software based down conversion during video playback

HD Up Conversion Real time standard definition to 1080HD and 720HD during video capture

HD Cross Conversion Real time 720HD to 1080HD during video capture

Real Time Effects Apple Final Cut Pro internal effects, Adobe Premiere Pro Mercury Playback Engine effects, Avid Media Composer 6 internal effects

Software Upgrade Software driver loads upgrades at system start or via updater software
System Compatibility Mac OS X 10.6.8 Snow Leopard or later, and Mac OS X 10.7 Lion or later

Package Weight 2.5 lbs

Box Dimensions 8.1 x 5.4 x 3.1" (LxWxH)