



## HD-SDI Express Release Notes – 06/09/2014

- Updated Application program to version 2.2.0.117 (from version 2.1.0.102).
- Updated Library/SDK to version 2.2.0.117 (from 2.1.0.102).
- Updated Driver to version 2.2.0.117 (from 2.1.0.102).
- No change to ExpressCard firmware version 0.2.0.15.
- Updated PCIe Firmware to version 0.4.0.1 ( from 0.4.0.0 ).

<b>Software 2.2.0.117</b>	<b>Changes from Software – 2.1.0.102</b>	
<b>Appl 2.2.0.117</b>	<b>Appl</b>	<b>2.1.0.102</b>
<b>Lib/SDK 2.2.0.117</b>	<b>Lib/SDK</b>	<b>2.1.0.102</b>
<b>Drv 2.2.0.117</b>	<b>Drv</b>	<b>2.1.0.102</b>
1	Inst	Driver installation issue fixed
2	App	Auto statistics panel fixed
3	App	Bandwidth warning message added
4	App	CardSelector dialog added
5	Drv	DirectShow: Multiple cards support
6	Drv	UART delays removed

<b>Firmware – 0.2.0.15</b>	<b>No changes</b>
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<b>Firmware – 0.4.0.1</b>	<b>Changes from version 0.4.0.0</b>
1	Solved IRQ lock-up problem when there are lots of UART_Rx and DMA_DONE interrupts.
2	Changed UART RX_FIFO to use real FIFO instead of SRAM.
3	Made several performance improvements to UART receiver.



## HD-SDI Express Release Notes – 05/28/2013

- Updated Application program to version 2.1.0.102 (from version 2.1.0.99).
- Updated Library/SDK to version 2.1.0. 102 (from 2.1.0.99).
- Updated Driver to version 2.1.0. 102 (from 2.1.0.99).
- No change to ExpressCard firmware v0.2.0.15
- No change to ExpressCard firmware v0.4.0.0

<b>Software – 2.1.0.102</b>		<b>Changes from Software – 2.1.0.99</b>	
<b>Appl</b>	<b>2.1.0.102</b>	<b>Appl</b>	<b>2.1.0.99</b>
<b>Lib/SDK</b>	<b>2.1.0.102</b>	<b>Lib/SDK</b>	<b>2.1.0.99</b>
<b>Drv</b>	<b>2.1.0.102</b>	<b>Drv</b>	<b>2.1.0.99</b>
1	App	App	Auto filling of CSC dialog with HD and SD parameters
2	App	App	CSC dialog setting saving to registry added
3	Drv	Drv	Solved problem with two HD-SDI cards with COM ports, when actually only one COM port was working

<b>Firmware – 0.2.0.15</b>	<b>No changes</b>
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<b>Firmware – 0.4.0.0</b>	<b>No changes</b>
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## HD-SDI Express Release Notes – 04/15/2013

- Updated Application program to version 2.1.0.99 (from version 2.1.0.85).
- Updated Library/SDK to version 2.1.0.99 (from 2.1.0.85).
- Updated Driver to version 2.1.0.99 (from 2.1.0.85).
- No change to ExpressCard firmware v0.2.0.15
- No change to ExpressCard firmware v0.4.0.0

<b>Software – 2.1.0.99</b>		<b>Changes from Software – 2.1.0.85</b>	
<b>Appl</b>	<b>2.1.0.99</b>	<b>Appl</b>	<b>2.1.0.85</b>
<b>Lib/SDK</b>	<b>2.1.0.99</b>	<b>Lib/SDK</b>	<b>2.1.0.85</b>
<b>Drv</b>	<b>2.1.0.99</b>	<b>Drv</b>	<b>2.1.0.85</b>
1		App	Problem with capturing on slow PCs solved
2		App	Reset window position option added
3		SDK	Problem with broken image after Snap solved
4		Drv	Problem with audio capture after the system wake from Sleep mode solved
5		Drv	DirectShow: Tegrity Recorder support
6		Drv	DirectShow: Problem with first frame corruption solved
7		Drv	UART Tx problem on 64b OS
8		Inst	COM port driver installation problem fixed
9		Inst	New datasheets added

<b>Firmware – 0.2.0.15</b>	<b>No changes</b>
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<b>Firmware – 0.4.0.0</b>	<b>No changes</b>
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## HD-SDI Express Release Notes – 2/04/2013

- Updated Application program to version 2.1.0.85 ( from version 2.0.0.69 ).
- Updated Library/SDK to version 2.1.0.85 ( from 2.0.0.69 ).
- Updated Driver to version 2.1.0.85 ( from 2.0.0.69 ).
- No change to ExpressCard firmware v0.2.0.15
- Added PCIe card - Firmware version 0.4.0.0.

<b>Software – 2.1.0.85</b>		<b>Changes from Software – 2.0.0.69</b>	
<b>Appl</b>	<b>2.1.0.85</b>	<b>Appl</b>	<b>2.0.0.69</b>
<b>Lib/SDK</b>	<b>2.1.0.85</b>	<b>Lib/SDK</b>	<b>2.0.0.69</b>
<b>Drv</b>	<b>2.1.0.85</b>	<b>Drv</b>	<b>2.0.0.69</b>
1		Appl	Adobe Premiere driver
2		Drv	Serial Port Driver added
3		Drv	UART functionality added

<b>Firmware – 0.2.0.15</b>	<b>No changes</b>
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<b>Firmware – 0.4.0.0</b>		<b>Initial release</b>	
1		Added a UART for a COM port	
2		Added an SDI Loop-through capability	
3		Changed DEVICE_ID from 0x0002 to 0x0012 for driver to distinguish between ExpressCard (w/o UART) and PCIe (w/UART)	



## HD-SDI Express Release Notes – 5/21/2012

- Updated Application program to version 2.0.0.69 ( from version 1.1.0.41 ).
- Updated Library/SDK to version 2.0.0.69 ( from 1.1.0.41 ).
- Updated Driver to version 2.0.0.69 ( from 1.1.0.41 ).
- Updated Firmware to version 0.2.0.15 ( from 0.1.0.17 ).

<b>Software - 2.0.0.69</b>		<b>Changes from Software – 1.1.0.41</b>	
<b>Appl</b>	<b>2.0.0.69</b>	<b>Appl</b>	<b>1.1.0.41</b>
<b>Lib/SDK</b>	<b>2.0.0.69</b>	<b>Lib/SDK</b>	<b>1.1.0.41</b>
<b>Drv</b>	<b>2.0.0.69</b>	<b>Drv</b>	<b>1.1.0.41</b>
1	Appl	Support for Audio added to grabbing	
2	Appl	Support for Audio added to AVI saving	
3	Appl	Support for several cards in one PC implemented	
4	Appl	Support for YUV16 in AVI implemented	
11	SDK	YUV to RGB conversion optimized	
12	SDK	Support for Audio implemented	
13	SDK	Support for several cards in one PC implemented	
14	Drv	Support for Audio implemented	
15	Drv	Support for several cards in one PC implemented	
16	Drv	Interrupts handling bug with several cards fixed	

<b>Firmware – 0.2.0.15</b>		<b>Changes from version 0.1.0.17</b>
1	Added support for acquiring audio.	



## HD-SDI Express Release Notes – 9/08/2010

- Updated Application program to version 1.1.0.41 ( from version 1.1.0.40 ).
- Updated Library/SDK to version 1.1.0.41 ( from 1.1.0.40 ).
- Updated Driver to version 1.1.0.41 ( from 1.1.0.40 ).
- Updated Firmware to version 0.1.0.17 ( from 0.1.0.16 ).
- Added support for Windows 64 bit XP and Vista operating systems.
- Added support for 32 bit application on 64 bit XP and Vista operating systems.
- Added support for Microsoft DirectShow, MathWorks MATLAB, MVTech HALCON

<b>Software - 1.1.0.41</b>		<b>Changes from Software – 1.1.0.40</b>	
<b>Appl</b>	<b>1.1.0.41</b>	<b>Appl</b>	<b>1.1.0.40</b>
<b>Lib/SDK</b>	<b>1.1.0.41</b>	<b>Lib/SDK</b>	<b>1.1.0.40</b>
<b>Drv</b>	<b>1.1.0.41</b>	<b>Drv</b>	<b>1.1.0.40</b>
1	Appl	Fixed AVI file saving	
2	Appl	Text overlay on Vista fixed	
3	Appl	Added Windows 64bit support	
4	Appl	Changed video standard detection method	
5	Appl	Added support for SD-SDI	
6	Appl	Grabbing restart fixed	
7	Appl	RGB24 mode set as default mode	
8	Appl	GUI slowing-down in YUV mode fixed	
9	Appl	Histogram panel in 16b color display mode fixed	
10	SDK	Added Windows 64bit support	
11	SDK	Added support of 32bit applications for 64bit driver	
12	SDK	Changed video standard detection method	
13	SDK	Grabbing restart fixed	
14	Drv	Added Windows 64bit support	
15	Drv	Added support of 32bit applications for 64bit driver	
16	Drv	Digital Signature added to Vista driver	
17	Drv	New DMA Buffers management implemented	
18	Drv	Added interlace mode processing in driver	
19	Drv	Added DrvManager application support	

<b>Firmware – 0.1.0.17</b>		<b>Changes from version 0.1.0.16</b>	
1		Fixed problem where overruns due to a poorly performing PC could result in an interrupt storm.	
2		Turned off PCI Express Low Power Negotiation.	



## HD-SDI Express Release Notes – 1/08/2010

- Updated Application program to version 1.1.0.40 ( from version 1.0.0.14 ).
- Updated Library/SDK to version 1.1.0.40 ( from 1.0.0.14 ).
- Updated Driver to version 1.1.0.40 ( from 1.0.8.152 ).
- Added support for Windows 64 bit XP and Vista operating systems.
- Added support for 32 bit application on 64 bit XP and Vista operating systems.
- Added support for Microsoft DirectShow, MathWorks MATLAB, MVTech HALCON

<b>Software - 1.1.0.40</b>	<b>Changes from Software – 0.1.0.20</b>	
<b>Appl 1.1.0.40</b>	<b>Appl</b>	<b>1.0.0.14</b>
<b>Lib/SDK 1.1.0.40</b>	<b>Lib/SDK</b>	<b>1.0.0.14</b>
<b>Drv 1.1.0.40</b>	<b>Drv</b>	<b>1.0.8.152</b>
1	Appl	Fixed AVI file saving
2	Appl	Text overlay on Vista fixed
3	Appl	Added Windows 64bit support
4	Appl	Changed video standard detection method
5	Appl	Added support for SD-SDI
6	Appl	Grabbing restart fixed
7	Appl	RGB24 mode set as default mode
8	Appl	GUI slowing-down in YUV mode fixed
9	Appl	Histogram panel in 16b color display mode fixed
10	SDK	Added Windows 64bit support
11	SDK	Added support of 32bit applications for 64bit driver
12	SDK	Changed video standard detection method
13	SDK	Grabbing restart fixed
14	Drv	Added Windows 64bit support
15	Drv	Added support of 32bit applications for 64bit driver
16	Drv	Digital Signature added to Vista driver
17	Drv	New DMA Buffers management implemented
18	Drv	Added interlace mode processing in driver
19	Drv	Added DrvManager application support