

AVT Fire Package 2.6 revision and release notes

The versions of all parts correspond to the intek FirePackage 2.19 except for the driver, which has received a minor update. In addition, this AVT FirePackage contains the viewer application "SmartView" 1.6.1 and the library "UniTransform" 1.0 .

Quick version overview

FireDrv 2.5.0.3; FireStack 2.5; FireGrab 2.5; FireCtrl 2.5; FireView 2.17; FGWrap 1.0; SrvcInst 1.2; SmartView 1.6.1; UniTransform 1.0

Details

Component	Version	Description of changes
General	2.5.0.0	License file from registry (see Licensing.pdf)
		May also be used with Windows Vista 32-Bit
FireDrv	2.5.0.3	Removed a bus reset loop that occurred when plugging cameras in case that certain combinations of firewire devices were used.
	(2.5.0.2)	BlockRead bug when AppRelease==2 removed
		Continous BusReset problem removed (GapCount is overwritten)
		Speed limit for FireGrab set to maximal possible speed, not to device speed
		Under Windows Vista-32 no administrator rights required for all interfaces (UAC can be enabled)
	(2.5.0.1)	Timestamp fix for BlockRead response packets
	(2.5.0.0)	Adapted to Windows Vista
		Sleep handled in any situation
		Frame limit of 1024 removed
	(2.4.0.0)	Gap-count optimization for 800 Mbit/s and optical repeater works now
		Asynchronous functions can be called with sync-object
		FCTLMapAddress: AppResponse was not always handled correctly
	(2.3.0.14)	Bugfix for ISO channel numbers>7: they could be used only once
		Internal changes for external tool support
	(2.3.0.12)	Bugfix for Dual-Processor System on Windows2003 R2. Internal call to NodeManager contained wrong IRP handling!
	(2.3.0.11)	Bugfix for user frames
	(2.3.0.10)	Due to change of development environment missing volatile declaration led to hanging driver when PCILynx card was used
	(2.3.0.9)	OHCI module: Residual count new set on isochronous descriptors for O2Micro chipset
		Surprise card removal could lead to system hangup due to hardware-dependent loops for phy register access
		Unexpected cross-influence removed when deactivating and activating several devices
		Workaround for O2Micro Cardbus 1394 chipset errata integrated
		Reboot request during driver installation removed

	(2.3.0.7)	Prepared for Windows64 Initial ReadGuid has longer timeouts New error flag HALERF_ISORXACK for distinguishing external (cycle, length) ISO errors from external errors DMA flags sometimes could be handled wrong Freeze bug with high frame rates removed
	(2.3.0.5)	FCTLSPEC_ISOHDRCHECK removed and moved to individual DMA flags Device-contained licensing extended
	(2.3.0.4)	Dell Blue Screen after Wakeup from Standby removed FrameStart event bug fixed Completely new ISO header for maximum safety OHCICopyData<RtesCount> read bug removed (could lead to BSOD on some systems) "SpecialFlags" for bus configuration can be taken from registry
	(2.3.0.3)	Fixed a bug concerning the maximum number of licenses
	(2.3.0.2)	Asynchronous communication functions from NodeMgr are blocked against reentrance <FCTLIsoClear> also clears IsoEvent Time stamping for frames Maximum number of licenses extended to 128 FGF_DMAHALTED also set in notification routine
	(2.2.0.0)	<DiscardFrames also cancels <GetFrame> Iso routines return handles instead of pointers (Address check on Iso post) Improved shutdown cancels all outstanding IRPs in a controlled manner IsoBuf.Append flags extended (IBF_PRELAST)
	(2.1.0.0)	CancelWaitEvent for NodeManager implemented NmIsoResize implemented
	(2.0.0.4)	System crash removed when iso active and bus reset
	(2.0.0.3)	NodeMgr: If device signals ACK_BUSY after bus reset then communication is delayed up to 1s
FireCtrl	2.5.0.0	Vista compatible
	(2.3.0.1)	Prepared for Windows64
FireStack / FCTLMain	2.5.0.0	New events HALEVT_SHUTDOWN/HALEVT_WAKEUP New FCTLSet/GetParameter
	(2.4.0.0)	Asynchronous functions can be called with sync-object
	(2.3.0.1)	Prepared for Windows64
FireClasses		Prepared for Windows64 Directory read in ConfigROM uses Tags instead of Offsets Recommended packet size in format 7 ignored if camera says 0
FireDemo		Hung on Windows Vista - fixed German comments removed WorkerThread now terminates with AfxEndThread (no grayed card select box)

FireGrab / FGCamera	2.5.0.0	New ReadBlock/WriteBlock New FGP_COMMANDTIMEOUT New broadcast object
	(2.4.0.0)	When GetFrame was called repeatedly with timeout, frames could be lost (fixed)
	(2.3.0.5)	Internal changes for external tool support
	(2.3.0.4)	Raw mode works correctly now GetFrame with time-out 0 works correctly now System time and cycle time associated with an isochronous frame
	(2.3.0.2)	External trigger may be switched even if On-Off-Capabilities are off New function: AssignUserBuffers
	(2.3.0.0)	New version counting to be consistent with FireDrv Asynchronous communication functions from CFGCamera can be called from multiple threads now New parameter <FGP_CYCLETIME> returns current bus time Recommended packet size used in format 7 System time returned in frames Frame receive status can be polled Camera can be reset (FGP_DORESET) New color modes according to IIDC 1.31 DMA-halted comes as flag in frame status
	(1.0.0.5)	DCAM tables also support unspecified modes (where packet size is zero) All variables of CFGCamera and Ccamera classes are now private due to address offset problems between different versions
	(1.0.0.4)	Worker thread of NodeManager (used for notification) terminates correctly now on FGExitModule Resize now supported (FGP_RESIZE) Iso channel can also be set freely now (FGP_USEIRMFORCHN) New parameter FGP_SETISOCHANNEL Wait time after iso parameter shortened to 3 ms and changeable via FGP_CAMACCEPTDELAY
	(1.0.0.3)	Parameter read back from camera also reads color mode in format 7
	(1.0.0.2)	Callback from FGINIT now declared as __stdcall Directory read in ConfigROM uses Tags instead of Offsets Recommended packet size in format 7 ignored if camera says 0
GrabDemo		German comments removed
FireView	2.17	Vista compatible
	(2.16)	Version number change to be compatible with FireDrv 2.4
	(2.15)	Prepared for Windows64
	(2.13)	Only a version number change to be compatible with FireDrv
	(2.12)	Accepts unspecified modes in DCAM tables
	(2.11)	Only a version number change to be compatible with FireDrv 2.1
	(2.1)	Directory read in ConfigROM uses Tags instead of Offsets Recommended packet size in format 7 ignored if camera says 0

FGWrap	1.0.0.0	C-Wrapper for CFGCamera now as DLL
SrvcInst	1.2.0.0	Vista compatible
SmartView	1.6.1	Feature release; see AVT_SmartView_1_6_1_Release_notes.pdf
UniTransform	1.0	First release
Installation	2.6	Improved installer for AVT FirePackage

A plain, **bold version number** is the current version number of a component. All changes following this version number up to the next line containing a new component name or a different version number in parentheses describe the changes of this component compared to a previous FirePackage version. The (version numbers in parentheses) are the component version numbers contained in previous FirePackages.