

## AVT Software Package Comparison Chart - AVT SmartFeature Support

The following table gives an overview about the AVT SmartFeature support provided by the three different AVT software packages

useable with Windows operating systems. Thereby, the different symbols represent the following meaning:

- ✓ Feature accessible via special API function
- (✓) Feature accessible only via Direct Register Access (no special API function available) or special software tool
- N/A Feature not accessible or AVT does not recommend to use the corresponding package

Feature	FirePackage	Active FirePackage	Direct FirePackage
Delayed Integration	✓	(✓)	✓
Multi-shot	✓	N/A	✓
Secure Image Signature - SIS (Stingray, Pike & Marlin only)	✓	(✓)	(✓)
Sequence Mode (Stingray, Pike & Marlin only)	(✓)	N/A	✓ <sup>(2)</sup>
High Dynamic Range Mode <sup>(1)</sup> (HDR-Mode)	(✓)	(✓)	✓
High Signal Noise Ratio Mode (HSNR Mode)	✓	(✓)	✓
Dark Signal Non-Uniformity Correction (Blemish Correction)	✓	(✓)	✓
Deferred Image Transport	(✓)	(✓)	✓ <sup>(2)</sup>
Triggered Image Acquisition	✓	✓	(✓)
Trigger Delay Control	✓	✓	✓
Communication via Serial I/O	✓	✓	(✓)
Configuration of I/O Pins	✓	(✓)	✓
Auto Function AOI Control	✓	(✓)	✓
Whitebalance Control	✓	✓	✓
CMYG Whitebalance Control (Guppy interlaced only)	✓	(✓)	(✓)
Auto Max. Bus Speed Detection	✓	N/A	N/A
Firmware Update via FireWire	(✓) <sup>(3)</sup>	N/A	N/A
Software Reset	✓	(✓)	✓
Advanced Parameter Transfer (Stingray & Pike only)	✓	N/A	N/A
Compressed 12-bit Mode Support (Pike only)	✓	✓	N/A
Reduced Smearing Mode (Pike only)	✓	(✓)	N/A
Usage of Look-Up Tables	✓	(✓)	✓
Shading Correction Control (inside the camera)	✓	(✓)	✓
Load/Save User-Sets from/to camera internal memory	✓	(✓)	(✓)
Load/Save User-Sets as XML Config File (externally from/to hard drive)	✓	N/A	N/A

<sup>(1)</sup> Marlin-131, Guppy-036 and Pike camera series only.

<sup>(2)</sup> The usage and performance of this mode is restricted under DirectShow, because of the fixed bandwidth reservation.

<sup>(3)</sup> A firmware update can be performed only for Guppy, Pike, and Stingray cameras by using the AVT SmartView application of the AVT FirePackage.