

eBUS-PureGEV package

Best-of-breed software tools enable high-performance GigE Vision applications



GEN*i*CAM



GEN*i*CAM

Pleora's eBUS-PureGEV package combines the company's high-performance eBUS Drivers Suite and the iPORT PureGEV Suite in an easy-to-install package.

Pleora's award-winning eBUS drivers replace the default drivers provided by NIC (Network Interface Card) manufacturers and optimize the performance of GigE Vision™-based applications by making almost all CPU resources in the PC available for valuable image processing rather than simple data transfer.

Pleora's iPORT PureGEV Suite is fully compatible with the GigE Vision and GenICam standards and lets you quickly and easily develop your custom vision application. The eBUS-PureGEV package offers full multicast support and its device finder architecture makes it easy to locate and connect with all GigE Vision-compatible devices on the network.

The eBUS-PureGEV software package is included free-of-charge with all Pleora hardware devices.

It's now also possible to license eBUS-PureGEV for use with any GigE Vision-compliant hardware. By licensing Pleora's best-of-breed eBUS drivers and PureGEV Software Development Kit, software vendors, system developers, camera companies and

others can leverage Pleora's industry-leading software tools. This means end users and OEMs will enjoy unparalleled performance and reliability with their existing GigE Vision-compatible machine vision applications.

Similarly, camera manufacturers can bundle their GigE Vision cameras with high-performance Pleora software and provide a complete solution to their customers.

The eBUS-PureGEV package includes the following components:

- The **eBUS Universal Driver** offers high flexibility and reliability combined with low CPU usage. It is ideal for most real-time vision applications and runs on almost any vendor's NIC
- The **eBUS Optimal Driver** offers maximum performance and the lowest CPU usage in the industry. It is ideal for applications with very high data rates and heavy processing overhead. It runs on Intel's PRO/1000 family of NICs
- **iPORT PureGEV Suite** includes everything you need to develop your own application, including an application (GEV-Player), PureGEV SDK, software tools, application samples and documentation.

For more information, please visit www.pleora.com

eBUS-PureGEV package

Included Software

eBUS™ Driver Suite	<ul style="list-style-type: none"> • eBUS Universal Driver – High flexibility, low CPU usage in the PC. Ideal for most real-time vision applications, using any NIC. Handles all IP transport protocols – including ordinary network traffic AND the GigE Vision image and data streams. • eBUS Optimal Driver – Provides lowest CPU usage in the PC. Ideal for applications with very heavy processing overhead, optimized for Intel PRO/1000 NIC. Handles all IP transport protocols – including ordinary network traffic AND GigE Vision image and data streams. • Driver Installation Tool – provides easy selection of the driver that best suits your needs
PureGEV Suite	<ul style="list-style-type: none"> • GEVPlayer – immediately connect and get started with this powerful and versatile image capture application. Use GEVPlayer to configure your GigE Vision-compatible GigE connectivity devices and begin capturing images with your PC • PureGEV SDK – rugged, well-tested, and easy-to-use C++ classes and methods that let you get your camera's images to your PC. Seamlessly. • Software Tools – easy-to-understand applets for speeding up your development cycle • Documentation – extensive documentation helps you get up to speed quickly
Features (high-light)	<ul style="list-style-type: none"> • Ability to save images (BMP or raw format) • Ability to save system configurations • Zoom and pan capabilities in display • Includes a set of image converters

Supported Standards

Protocol	• GigE Vision
Camera control	• GenICam

Licensing Components

Developer License	<ul style="list-style-type: none"> • Allows developers to develop applications using the SDK and distribute versions of the library and applications according to the run-time fee structure • Includes 1 year of support and maintenance
Run-time License	<ul style="list-style-type: none"> • Required every time the PureGEV SDK is distributed by the developer

OEM integration

Software	<ul style="list-style-type: none"> • Flexible options for creating custom installers, including Microsoft Visual Studio and Accresso Installshield • Command line option for integrating package into installer • Source code included for sample application and software tools
Documentation	<ul style="list-style-type: none"> • OEM Brand Integration Guide offers a step-by-step guide to customizing the software and documentation • Books are available in Adobe Frame-Maker files, the industry standard for large documents • Create your own design template with the fonts, layout, and styles preferred by your company

Supported Platforms

Windows	<ul style="list-style-type: none"> • Vista (32/64) • XP (32/64)
---------	---

eBUS / PureGEV Awards

Frost & Sullivan	• 2007 Product Innovation Award (iPORT Connectivity Solution)
Advanced Imaging Pro Magazine	• 2007 Readers Choice (eBUS Driver Suite)



Information in this document is provided in connection with Pleora Technologies products. No license, express or implied, by estoppels or otherwise, to any intellectual property rights is granted by this document. Pleora may make changes to specifications and product descriptions at any time, without notice. Other names and brands may be claimed as the property of others.