

GenICam Software IP Package (BetelmaGiCs)

Enables quick development of applications conforming to the EMVA GenICam standard

Overview

GenICam Software IP Package (BetelmaGiCs) is a software IP that fully complies with GenICam standards. Adopting this software IP, users can easily develop their application software on GenICam. GenICam is a standard formulated by EMVA (European Machine Vision Association). EMVA standardized the software interface defining common API to control different interfaces of cameras such as GigE Vision, USB3 Vision, CoaXpress™, etc. in the same way.

Features

- Compliant with EMVA GenICam standard
- Flexible design that allows selection of different interfaces (GigE Vision, USB3 Vision, etc.) without changing application software.
- Compliant with GenICam GenTL standard (allows operation using GenICam compatible third-party applications)
- Supports Multi-Interface and Multi-Device

Specific features for GigE Vision

- Packet retransmission
- Event, Chunk data transmission

Specific features for USB3 Vision

- Transfer rate 3Gbps (Scheduled)
- Event, Chunk data transmission
- Detection of a head of frame

Specifications

- Compliant with EMVA GenICam Standard Version 2.0
- Compatible Interfaces
 - GigE Vision Standard Version 1.2/2.0
 - USB3 Vision Standard Version 1.0.1 (Under development)

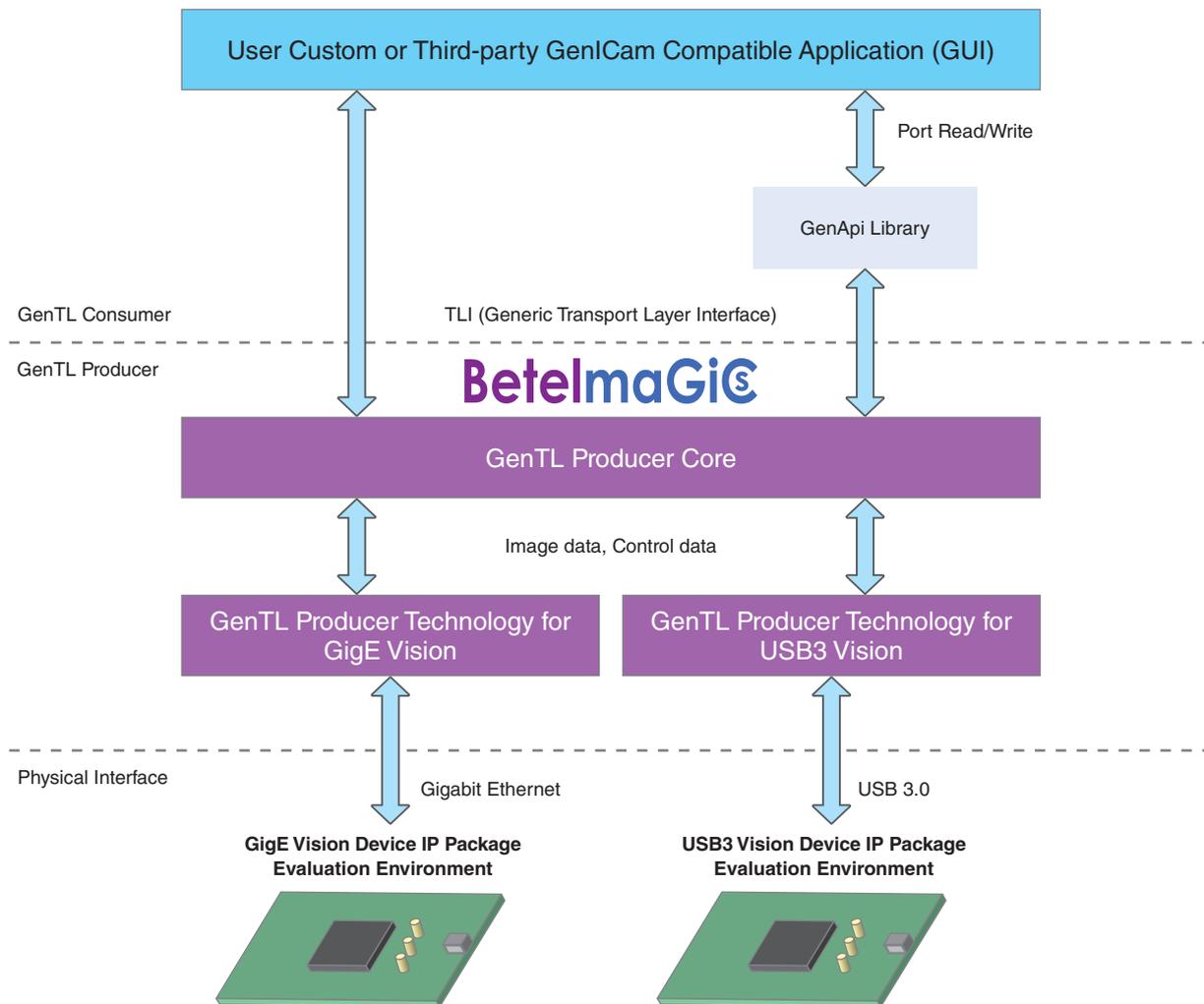
Supported Operating Systems

- Microsoft® Windows® 7 Professional SP1 64Bit
 - Microsoft® Windows® 10 Pro 64Bit (Under development)
 - Linux (Scheduled)
- (* Please contact Macnica sales department about other operating systems.)

Deliverables

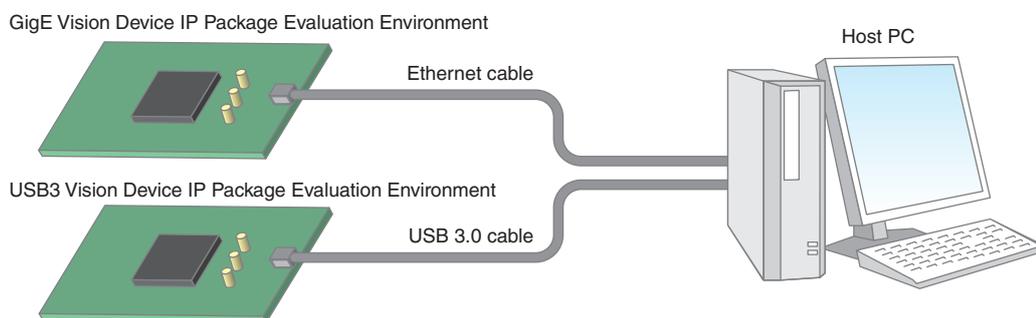
- GenICam software (Binary)
- Sample application (Source)
- User's manual, etc.

Software Configuration



All software required by the GenICam standard is provided, so users can focus on application development.

Evaluation Environment



Category	Product Name	Vendor
IP	GigE Vision Device IP Package	Mpression
IP	USB3 Vision Device IP Package	Mpression