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

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