

SYK

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Chapter 1

Mantis Vision: SYK

A plugin for compression and decompression of geometry data using a proprietary algorithm.

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Chapter 2

Release Notes

1.0.0

Initial version.

Plugin

- **1.0.0_P1** | updated `MVCommon` 3rdparty dependency to version 4.0.0
- **1.0.0_P2** | updated for `Mvx2` framework version 6.0.0

Documentation

- **1.0.0_D1** | added 'release notes' section
- **1.0.0_D2** | added a section for each plugin's filter

1.1.0

Plugin

- **1.1.0_P1** | added support for decoding data encoded with SYK version 2 algorithm to [SYKDecoderFilter](#)

1.2.0

Plugin

- **1.2.0_P1** | added support for decoding data encoded with SYK version 2b algorithm to [SYKDecoderFilter](#)
- **1.2.0_P2** | fixed a bug of [SYKDecoderFilter](#) which prevented correct SYK decompression during subsequent playbacks in case the pipeline was not reinitialized between them

Chapter 3

Data layer types

[DataTypeSYK](#)

3.1 **DataTypeSYK**

A data layer containing SYK-compressed data.

Type GUID

9CC4D9D4-684D-47E3-8EA3-1C5D7529862E

Status properties

- **"SYK data size"**
Indicates a size of the data in bytes.

Chapter 4

Decompressor filters

[SYKDecoderFilter](#)

4.1 SYKDecoderFilter

A mutate filter for decompression of SYK data into geometry data.

Type GUID

DAAEA229-CF6E-4EE1-8564-8A852E10556E

Parameters

- **"Drop decoded layers"**
Indicates whether original compressed SYK data shall be dropped from atoms after decompression or preserved.
- **"Print stats"**
Enables printing of decompression statistics.

