

Chapter 1

Introduction

This report contains a reference for the current datamodel (as represented by DataRiver TagGroups).

Contents

1	Introduction	1
2	TagGroups – Datamodel	5
2.1	../definitions/TagGroup/com.adlinktech.ai/v1.0	6
2.1.1	AITagGroup.json	6
2.2	../definitions/TagGroup/com.adlinktech.usb2405/v1.0	6
2.2.1	ChannelDataTagGroup.json	6
2.2.2	ChannelMetaDataTagGroup.json	6
2.2.3	DAQStateTagGroup.json	7
2.3	../definitions/TagGroup/com.adlinktech.vision/0.1.0	8
2.3.1	CreateStreamTagGroup.json	8
2.3.2	DeleteStreamTagGroup.json	8
2.3.3	StreamViewerConfigTagGroup.json	8
2.4	../definitions/TagGroup/com.adlinktech.vision/v1.0	9
2.4.1	AcknowledgeTagGroup.json	9
2.4.2	AlarmTagGroup.json	9
2.4.3	BinaryArtifactTagGroup.json	10
2.4.4	CameraConnectRequestTagGroup.json	10
2.4.5	CaptureStartTagGroup.json	10
2.4.6	CaptureStopTagGroup.json	11
2.4.7	ClassificationTagGroup.json	11
2.4.8	ConfigActualTagGroup.json	12
2.4.9	ConfigRequestTagGroup.json	12
2.4.10	DetectionBoxTagGroup.json	13
2.4.11	DetectionPointTagGroup.json	13
2.4.12	DeviceErrorTagGroup.json	14
2.4.13	DeviceInfoTagGroup.json	14
2.4.14	EngineConfigTagGroup.json	15
2.4.15	EngineInfoTagGroup.json	16
2.4.16	ModelReceiverStatusTagGroup.json	16
2.4.17	OutputTensorTagGroup.json	17
2.4.18	PerformanceTagGroup.json	17
2.4.19	SegmentationTagGroup.json	18
2.4.20	StreamRequestTagGroup.json	18
2.4.21	TrainingStreamerConfigTagGroup.json	19
2.4.22	VideoFrameTagGroup.json	19
2.5	TagGroup Definition Cross-Reference	19

List of Tables

2.1	AITagGroup:com.adlinktech.ai:v1.0	6
2.2	AITagGroup:com.adlinktech.ai:v1.0: <i>Toplevel Type (no explicit name given)</i>	6
2.3	raw_data:com.adlinktech.usb2405:v1.0	6
2.4	raw_data:com.adlinktech.usb2405:v1.0: <i>Toplevel Type (no explicit name given)</i>	6
2.5	meta_data:com.adlinktech.usb2405:v1.0	6
2.6	meta_data:com.adlinktech.usb2405:v1.0: <i>Toplevel Type (no explicit name given)</i>	6
2.7	configuration:com.adlinktech.usb2405:v1.0	7
2.8	configuration:com.adlinktech.usb2405:v1.0: ChannelStatus	7
2.9	configuration:com.adlinktech.usb2405:v1.0: TriggerModeSetting	7
2.10	configuration:com.adlinktech.usb2405:v1.0: <i>Toplevel Type (no explicit name given)</i>	7
2.11	CreateStream:com.adlinktech.vision:0.1.0	8
2.12	CreateStream:com.adlinktech.vision:0.1.0: <i>Toplevel Type (no explicit name given)</i>	8
2.13	DeleteStream:com.adlinktech.vision:0.1.0	8
2.14	DeleteStream:com.adlinktech.vision:0.1.0: <i>Toplevel Type (no explicit name given)</i>	8
2.15	StreamViewerConfig:com.adlinktech.vision:0.1.0	8
2.16	StreamViewerConfig:com.adlinktech.vision:0.1.0: StreamConfig	8
2.17	StreamViewerConfig:com.adlinktech.vision:0.1.0: <i>Toplevel Type (no explicit name given)</i>	8
2.18	Acknowledge:com.adlinktech.vision:v1.0	9
2.19	Acknowledge:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	9
2.20	Alarm:com.adlinktech.vision:v1.0	9
2.21	Alarm:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	9
2.22	BinaryArtifact:com.adlinktech.vision:v1.0	10
2.23	BinaryArtifact:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	10
2.24	CameraConnectRequest:com.adlinktech.vision:v1.0	10
2.25	CameraConnectRequest:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	10
2.26	CaptureStart:com.adlinktech.vision:v1.0	10
2.27	CaptureStart:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	10
2.28	CaptureStop:com.adlinktech.vision:v1.0	11
2.29	CaptureStop:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	11
2.30	Classification:com.adlinktech.vision:v1.0	11
2.31	Classification:com.adlinktech.vision:v1.0: ClassificationData	11
2.32	Classification:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	11
2.33	ConfigActual:com.adlinktech.vision:v1.0	12
2.34	ConfigActual:com.adlinktech.vision:v1.0: ConfigData	12
2.35	ConfigActual:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	12
2.36	ConfigRequest:com.adlinktech.vision:v1.0	12
2.37	ConfigRequest:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	12
2.38	DetectionBox:com.adlinktech.vision:v1.0	13
2.39	DetectionBox:com.adlinktech.vision:v1.0: DetectionBoxData	13
2.40	DetectionBox:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	13
2.41	DetectionPoint:com.adlinktech.vision:v1.0	13
2.42	DetectionPoint:com.adlinktech.vision:v1.0: DetectionPointData	13
2.43	DetectionPoint:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	13
2.44	DeviceError:com.adlinktech.vision:v1.0	14
2.45	DeviceError:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	14
2.46	DeviceInfo:com.adlinktech.vision:v1.0	14
2.47	DeviceInfo:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	14
2.48	EngineConfig:com.adlinktech.vision:v1.0	15
2.49	EngineConfig:com.adlinktech.vision:v1.0: ImageConfig	15
2.50	EngineConfig:com.adlinktech.vision:v1.0: ModelConfig	15
2.51	EngineConfig:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	15
2.52	EngineInfo:com.adlinktech.vision:v1.0	16
2.53	EngineInfo:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	16
2.54	ModelReceiverStatus:com.adlinktech.vision:v1.0	16

2.55	ModelReceiverStatus:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	16
2.56	OutputTensor:com.adlinktech.vision:v1.0	17
2.57	OutputTensor:com.adlinktech.vision:v1.0: TensorData	17
2.58	OutputTensor:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	17
2.59	Performance:com.adlinktech.vision:v1.0	17
2.60	Performance:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	17
2.61	Segmentation:com.adlinktech.vision:v1.0	18
2.62	Segmentation:com.adlinktech.vision:v1.0: SegmentationData	18
2.63	Segmentation:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	18
2.64	StreamRequest:com.adlinktech.vision:v1.0	18
2.65	StreamRequest:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	18
2.66	TrainingStreamerConfig:com.adlinktech.vision:v1.0	19
2.67	TrainingStreamerConfig:com.adlinktech.vision:v1.0: StreamInfo	19
2.68	TrainingStreamerConfig:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	19
2.69	VideoFrame:com.adlinktech.vision:v1.0	19
2.70	VideoFrame:com.adlinktech.vision:v1.0: <i>Toplevel Type (no explicit name given)</i>	19
2.71	TagGroup Definition Cross-Reference	19
2.71	TagGroup Definition Cross-Reference	20
2.71	TagGroup Definition Cross-Reference	21
2.71	TagGroup Definition Cross-Reference	22
2.71	TagGroup Definition Cross-Reference	23
2.71	TagGroup Definition Cross-Reference	24

Chapter 2

TagGroups – Datamodel

In this chapter you will find the automatically generated documentation for the TagGroups. It is grouped by directory first, then per filename. This relies on the fact that the convention for TagGroup is to store them in a *definitions* folder, which then in turn is further partitioned per *context* and *version*. This means that the result in this document will be shown in chronological order.

It is possible to define multiple TagGroups per file. This feature is primarily intended to allow for avoiding repetition (and therefore potential errors) when a certain datamodelling has a different QoS. However, this feature can be abused/misused and therefore lead to definitions of multiple independent TagGroups in one file. It also has the potential for multiple instances of a definition for a TagGroup, which is a bit of a maintenance nightmare.

To aid in detecting multiple definitions, this reference also includes a table of what TagGroup is defined in what file. Ideally, each TagGroup will only show up once in that table.

2.1 ../definitions/TagGroup/com.adlinktech.ai/v1.0

2.1.1 AITagGroup.json

Name: AITagGroup
Context: com.adlinktech.ai
Version: v1.0
Description: no description available
QoS: telemetry
Toplevel Typename: *No explicit name given*

Table 2.1: AITagGroup:com.adlinktech.ai:v1.0

Name	Unit	Type	Subtype	Description
MachineID	None	UINT16		Machine Identification
ServiceID	None	UINT16		Service Identification
SourceID	None	UINT16		Data source Identification
AIName	None	STRING		AI Inference name ex: DEX100, Demo1
AICategory	None	STRING		AI Inference type ex: Classification, Detection, OCR
Frame_No	None	UINT64		Frame Number
ReceivedTimestamp	ms	UINT64		UTC data received timestamp
InferenceTime	ms	UINT64		Inference duration
SourceTimestamp	ms	UINT64		UTC timestamp from source
Resultformat	None	STRING		Name of the result type need to read. ex:Box , StringBox
StringResult	None	STRING_SEQ		AI ouput array of string
BoxResult	None	INT32_SEQ		AI ouput array of (x,y) for two corner of box. ex: 0,0,120,240 is box with two corner (0,0) and (120,240)

Table 2.2: AITagGroup:com.adlinktech.ai:v1.0: *Toplevel Type (no explicit name given)*

2.2 ../definitions/TagGroup/com.adlinktech.usb2405/v1.0

2.2.1 ChannelDataTagGroup.json

Name: raw_data
Context: com.adlinktech.usb2405
Version: v1.0
Description: MCM100 vibration data from channel
QoS: vibration
Toplevel Typename: *No explicit name given*

Table 2.3: raw_data:com.adlinktech.usb2405:v1.0

Name	Unit	Type	Subtype	Description
voltage	V	FLOAT32_SEQ		Raw Voltage from USB 2405 DAQ

Table 2.4: raw_data:com.adlinktech.usb2405:v1.0: *Toplevel Type (no explicit name given)*

2.2.2 ChannelMetaDataTagGroup.json

Name: meta_data
Context: com.adlinktech.usb2405
Version: v1.0
Description: MCM100 meta data from channel
QoS: state
Toplevel Typename: *No explicit name given*

Table 2.5: meta_data:com.adlinktech.usb2405:v1.0

Name	Unit	Type	Subtype	Description
SampleRate	N/A	INT64		The sample rate that DAQ channel use
DataCount	N/A	INT64		The data length that DAQ acquire once

Table 2.6: meta_data:com.adlinktech.usb2405:v1.0: *Toplevel Type (no explicit name given)*

2.2.3 DAQStateTagGroup.json

Name: configuration
Context: com.adlinktech.usb2405
Version: v1.0
Description: USB2405 data acquisition information
QoS: state
Toplevel Typename: *No explicit name given*

Table 2.7: configuration:com.adlinktech.usb2405:v1.0

Name	Unit	Type	Subtype	Description
ChannelNo	N/A	INT16		channel active status
active	N/A	BOOLEAN		channel active status
flowId	N/A	STRING		the flowID channel use
EnableIEPE	N/A	BOOLEAN		channel IEPE status
InputType	N/A	STRING		channel input type
CoupleType	N/A	STRING		channel Couple type

Table 2.8: configuration:com.adlinktech.usb2405:v1.0: ChannelStatus

Name	Unit	Type	Subtype	Description
ConversionSource	N/A	STRING		channel active status
Mode	N/A	STRING		channel active status
Source	N/A	STRING		the flowID channel use
Polarity	N/A	STRING		channel IEPE status
DLY1Cnt	N/A	INT16		channel input type
DLY2Cnt	N/A	INT16		channel input type
Level	N/A	INT16		channel input type

Table 2.9: configuration:com.adlinktech.usb2405:v1.0: TriggerModeSetting

Name	Unit	Type	Subtype	Description
CardID	N/A	INT16		The card id that DAQ use
SampleRate	N/A	INT64		The sample rate that DAQ channel use
DataCount	N/A	INT64		The data length that DAQ acquire once
ChannelInfo_A0	n/a	NVP_SEQ	ChannelStatus	channel 0 configurations
ChannelInfo_A1	n/a	NVP_SEQ	ChannelStatus	channel 1 configurations
ChannelInfo_A2	n/a	NVP_SEQ	ChannelStatus	channel 2 configurations
ChannelInfo_A3	n/a	NVP_SEQ	ChannelStatus	channel 3 configurations
TriggerMode	N/A	NVP_SEQ	TriggerModeSetting	The trigger mode that DAQ use

Table 2.10: configuration:com.adlinktech.usb2405:v1.0: *Toplevel Type (no explicit name given)*

2.3 ../definitions/TagGroup/com.adlinktech.vision/0.1.0

2.3.1 CreateStreamTagGroup.json

Name:	CreateStream
Context:	com.adlinktech.vision
Version:	0.1.0
Description:	Request the creation of a stream with given configuration. Stream's are unique within a Stream Viewer per StreamId and Inference output type combination. Target the correct Stream Viewer by setting the FlowId of this DataSample to the ContextId of the Stream Viewer.
QoS:	state
Toplevel Typename:	<i>No explicit name given</i>

Table 2.11: CreateStream:com.adlinktech.vision:0.1.0

Name	Unit	Type	Subtype	Description
stream_id	n/a	STRING		The streamId that the Stream Viewer should read Vision data from.
inference_output_type	n/a	STRING		What kind of Inference Engine output type to apply to the stream.

Table 2.12: CreateStream:com.adlinktech.vision:0.1.0: *Toplevel Type (no explicit name given)*

2.3.2 DeleteStreamTagGroup.json

Name:	DeleteStream
Context:	com.adlinktech.vision
Version:	0.1.0
Description:	Request the deletion of a stream. Target the correct Stream Viewer by setting the FlowId of this DataSample to the ContextId of the Stream Viewer.
QoS:	state
Toplevel Typename:	<i>No explicit name given</i>

Table 2.13: DeleteStream:com.adlinktech.vision:0.1.0

Name	Unit	Type	Subtype	Description
stream_id	n/a	STRING		The streamId of the stream that should be deleted.
inference_output_type	n/a	STRING		The Inference Engine output type of the stream to be deleted.

Table 2.14: DeleteStream:com.adlinktech.vision:0.1.0: *Toplevel Type (no explicit name given)*

2.3.3 StreamViewerConfigTagGroup.json

Name:	StreamViewerConfig
Context:	com.adlinktech.vision
Version:	0.1.0
Description:	Current configuration of this Stream Viewer instance.
QoS:	state
Toplevel Typename:	<i>No explicit name given</i>

Table 2.15: StreamViewerConfig:com.adlinktech.vision:0.1.0

Name	Unit	Type	Subtype	Description
stream_id	n/a	STRING		The streamId of the ADLINK Vision stream frame and inference data is being read from.
inference_output_type	n/a	STRING		What kind of Inference Engine output type is being applied to the stream.
rtsp_streaming_address	n/a	STRING		The address this stream is streaming from.

Table 2.16: StreamViewerConfig:com.adlinktech.vision:0.1.0: StreamConfig

Name	Unit	Type	Subtype	Description
streams	n/a	NVP_SEQ	StreamConfig	A sequence of the streams this Stream Viewer is streaming.

Table 2.17: StreamViewerConfig:com.adlinktech.vision:0.1.0: *Toplevel Type (no explicit name given)*

2.4 ../definitions/TagGroup/com.adlinktech.vision/v1.0

2.4.1 AcknowledgeTagGroup.json

Name: Acknowledge
Context: com.adlinktech.vision
Version: v1.0
Description: Confirmation of Alarm events
QoS: event
Toplevel Typename: *No explicit name given*

Table 2.18: Acknowledge:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
id	UUID	STRING		Alarm ID for alarm being Acknowledged
stream_id	UUID	STRING		Service ID publishing the Alarm ack.
acknowledge	N/A	BOOLEAN		State of alarm acknowledgement (True: Valid Alarm. False: Not valid)
message	n/a	STRING		Alarm information text

Table 2.19: Acknowledge:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.2 AlarmTagGroup.json

Name: Alarm
Context: com.adlinktech.vision
Version: v1.0
Description: Alarms & alert data stream
QoS: event
Toplevel Typename: *No explicit name given*

Table 2.20: Alarm:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
id	UUID	STRING		Alarm ID
stream_id	UUID	STRING		Service ID publishing the Alarm
target	UUID	STRING		Target FlowID of the HMI where alarm will be displayed
level	com.vision.models.alarm.level	STRING		Alarm Level enum
timestamp	timestamp	STRING		Alarm Event Timestamp
message	n/a	STRING		Alarm information text
meta	N/A	STRING		Serialized value

Table 2.21: Alarm:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.3 BinaryArtifactTagGroup.json

Name: BinaryArtifact
Context: com.adlinktech.vision
Version: v1.0
Description: Message containing serialized file artifact
QoS: event
Toplevel Typename: *No explicit name given*

Table 2.22: BinaryArtifact:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
source	N/A	STRING		Artifact origin
target	N/A	STRING		(Optional) URI/ID of the intended receipient/use case
name	N/A	STRING		Artifact name
size	bytes	UINT64		Data size
kind	N/A	STRING		Artifact description
timestamp	time	UINT64		Updated/Created timestamp
data	n/a	BYTE_SEQ		List of Detection Box Data (the results)

Table 2.23: BinaryArtifact:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.4 CameraConnectRequestTagGroup.json

Name: CameraConnectRequest
Context: com.adlinktech.vision
Version: v1.0
Description: Inference engine results for classification model
QoS: event
Toplevel Typename: *No explicit name given*

Table 2.24: CameraConnectRequest:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
id	n/a	STRING		Unique camera id
uri	n/a	STRING		Camera network URI
name	n/a	STRING		Camera network URI
action	n/a	STRING		ADD or REMOVE a network camera from a remote service
status	n/a	STRING		Status string of performed action
encoding	Enum	STRING		See com::vision::models::CompressionKind
port	Value	UINT32		Port number

Table 2.25: CameraConnectRequest:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.5 CaptureStartTagGroup.json

Name: CaptureStart
Context: com.adlinktech.vision
Version: v1.0
Description: Perform a capture request for start.
QoS: event
Toplevel Typename: *No explicit name given*

Table 2.26: CaptureStart:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
StreamId	NA	STRING		The stream id would like to start
Timeout	NA	INT32		Stream capture timeout time, 0 for no timeout.
NumberOfFrame	NA	INT32		How manay frames per time unit, 0 means no downsampling
TimeUnit	NA	STRING		Time unit, could be Second/Minute/Hour

Table 2.27: CaptureStart:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.6 CaptureStopTagGroup.json

Name: CaptureStop
Context: com.adlinktech.vision
Version: v1.0
Description: Perform a capture request for stop.
QoS: event
Toplevel Typename: *No explicit name given*

Table 2.28: CaptureStop:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
StreamId	NA	STRING		The stream id would like to stop

Table 2.29: CaptureStop:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.7 ClassificationTagGroup.json

Name: Classification
Context: com.adlinktech.vision
Version: v1.0
Description: Inference engine results for classification model
QoS: telemetry
Toplevel Typename: *No explicit name given*

Table 2.30: Classification:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
index	n/a	INT32		Classification index
output	n/a	STRING		Output type - used when classification model has multiple types of labels for each output index
label	n/a	STRING		Classification label name
probability	Percentage	FLOAT32		Network confidence

Table 2.31: Classification:com.adlinktech.vision:v1.0: ClassificationData

Name	Unit	Type	Subtype	Description
engine_id	UUID	STRING		Inference engine identifier
stream_id	UUID	STRING		ID of the stream fed into the inference engine
frame_id	NUM	UINT32		ID of the input video frame fed to the inference engine
data	n/a	NVP_SEQ	ClassificationData	List of Classification Data (the results)

Table 2.32: Classification:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.8 ConfigActualTagGroup.json

Name: ConfigActual
Context: com.adlinktech.vision
Version: v1.0
Description: Current values of configuration topic
QoS: state
Toplevel Typename: *No explicit name given*

Table 2.33: ConfigActual:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
type	n/a	STRING		Config Request Type
payload	n/a	STRING		Current config values

Table 2.34: ConfigActual:com.adlinktech.vision:v1.0: ConfigData

Name	Unit	Type	Subtype	Description
source	UUID	STRING		Application ID effecting the config request
data	n/a	NVP.SEQ	ConfigData	List of Detection Box Data (the results)

Table 2.35: ConfigActual:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.9 ConfigRequestTagGroup.json

Name: ConfigRequest
Context: com.adlinktech.vision
Version: v1.0
Description: Requested configuration for config effector
QoS: event
Toplevel Typename: *No explicit name given*

Table 2.36: ConfigRequest:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
id	UUID	STRING		Target host id to effect the config request
request	n/a	UINT32		Request ID
type	n/a	STRING		Config Request Type
payload	n/a	STRING		Request data

Table 2.37: ConfigRequest:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.10 DetectionBoxTagGroup.json

Name:	DetectionBox
Context:	com.adlinktech.vision
Version:	v1.0
Description:	Inference engine results for object detection model outputting bounding boxes
QoS:	telemetry
Toplevel Typename:	<i>No explicit name given</i>

Table 2.38: DetectionBox:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
obj_id	UUID	INT32		Detected object id
obj_label	UUID	STRING		Detected object proper name
class_id	UUID	INT32		Detected object's classification type as raw id
class_label	UUID	STRING		Detected object's classification as proper name
x1	Percentage	FLOAT32		Top Left X Coordinate (% from 0,0)
y1	Percentage	FLOAT32		Top Left Y Coordinate (% from 0,0)
x2	Percentage	FLOAT32		Bottom Right X Coordinate (% from 0,0)
y2	Percentage	FLOAT32		Bottom Right Y Coordinate (% from 0,0)
probability	Percentage	FLOAT32		Network confidence
meta	N/A	STRING		Buffer for extra inference metadata

Table 2.39: DetectionBox:com.adlinktech.vision:v1.0: DetectionBoxData

Name	Unit	Type	Subtype	Description
engine_id	UUID	STRING		Inference engine identifier
stream_id	UUID	STRING		ID of the stream fed into the inference engine
frame_id	NUM	UINT32		ID of the input video frame fed to the inference engine
data	n/a	NVP_SEQ	DetectionBoxData	List of Detection Box Data (the results)

Table 2.40: DetectionBox:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.11 DetectionPointTagGroup.json

Name:	DetectionPoint
Context:	com.adlinktech.vision
Version:	v1.0
Description:	Inference engine results for object detection model outputting points
QoS:	telemetry
Toplevel Typename:	<i>No explicit name given</i>

Table 2.41: DetectionPoint:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
obj_id	UUID	INT32		Detected object id
obj_label	UUID	STRING		Detected object proper name
class_id	UUID	INT32		Detected object's classification type as raw id
class_label	UUID	STRING		Detected object's classification as proper name
x	Percentage	FLOAT32		Center X Coordinate (% from 0,0)
y	Percentage	FLOAT32		Center Y Coordinate (% from 0,0)
radius	Percentage	FLOAT32		Size of the point (% of image width)
probability	Percentage	FLOAT32		Network confidence
meta	N/A	STRING		Buffer for extra inference metadata

Table 2.42: DetectionPoint:com.adlinktech.vision:v1.0: DetectionPointData

Name	Unit	Type	Subtype	Description
engine_id	UUID	STRING		Inference engine identifier
stream_id	UUID	STRING		ID of the stream fed into the inference engine
frame_id	NUM	UINT32		ID of the input video frame fed to the inference engine
data	n/a	NVP_SEQ	DetectionPointData	List of Detection Point Data (the results)

Table 2.43: DetectionPoint:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.12 DeviceErrorTagGroup.json

Name: DeviceError
Context: com.adlinktech.vision
Version: v1.0
Description: Device error log
QoS: event
Toplevel Typename: *No explicit name given*

Table 2.44: DeviceError:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
device_id	UUID	STRING		Publishing Device
message	n/a	STRING		Concise error message
error_id	n/a	INT32		Error identifier
description	n/a	STRING		Error description

Table 2.45: DeviceError:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.13 DeviceInfoTagGroup.json

Name: DeviceInfo
Context: com.adlinktech.vision
Version: v1.0
Description: Vision Device properties
QoS: state
Toplevel Typename: *No explicit name given*

Table 2.46: DeviceInfo:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
stream_id	UUID	STRING		Stream publisher ID
mac_address	n/a	STRING		Host address
ip_address	n/a	STRING		Host machine IP Address
port	n/a	INT32		Connection port (optional)
uri	n/a	STRING		Video Interface URI (rtsp://xx/h264)
manufacturer	n/a	STRING		Vision Device manufacturer
model	n/a	STRING		Vision Device model
serial	n/a	STRING		Vision Device serial identifier
fw_version	n/a	STRING		Vision Device firmware version
dev_id	n/a	STRING		Vision Device host interface (ex. /dev/video0 or /dev/ttyUSB0)
status	DeviceStatus	STRING		DeviceStatus enum
kind	DeviceKind	STRING		Vision device kind enum
protocol	ProtocolKind	STRING		ProtocolKind enum describing how the device communicates

Table 2.47: DeviceInfo:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.14 EngineConfigTagGroup.json

Name:	EngineConfig
Context:	com.adlinktech.vision
Version:	v1.0
Description:	Inference Engine Publishes its current & desired configuration
QoS:	state
Toplevel Typename:	<i>No explicit name given</i>

Table 2.48: EngineConfig:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
width	pixels	UINT32		Expected input image width
height	pixels	UINT32		Expected input image height
channels	n/a	UINT32		Expected input image channel count
format	PixelFormat	STRING		Expected input image pixel format. See com::vision::models::PixelFormat
crop	N/A	BOOLEAN		Declares whether the input image should be cropped to width & height
resize	N/A	BOOLEAN		Declares whether the input image should be resized to width & height
roi_x1	pixels	UINT32		Declares Top-Left X position of Region of Interest if image should be cropped
roi_y1	pixels	UINT32		Declares Top-Left Y position of Region of Interest if image should be cropped
framerate	fps	FLOAT32		Specifies the configured/expected framerate for input images treams

Table 2.49: EngineConfig:com.adlinktech.vision:v1.0: ImageConfig

Name	Unit	Type	Subtype	Description
model_type	ModelType	STRING		Loaded model type see com::vision::models::ModelConfig
model_name	n/a	STRING		Human readable name of the loaded model
mode	PrecisionMode	STRING		Loaded model precision. See com::vision::models::PrecisionMode
threshold	Percentage	FLOAT32		Configured confidence/probability threshold
nms.threshold	Percentage	FLOAT32		Configured Non-Maximum Supression Threshold
batch_size	Number	UINT32		Configured number of samples sent through the network
output_type	ModelOutputType	STRING		Configured inference output types see com::vision::models::ModelOutputType

Table 2.50: EngineConfig:com.adlinktech.vision:v1.0: ModelConfig

Name	Unit	Type	Subtype	Description
engine_id	UUID	STRING		Publishing inference engine identifier
name	n/a	STRING		Proper name of the inference engine
source	n/a	STRING		Producer of the inference engine
version	n/a	STRING		Inference engine revision
kind	com.vision.models.inference.EngineKind	STRING		Inference engine kind
image	n/a	NVP_SEQ	ImageConfig	Configured input image expectations
model	n/a	NVP_SEQ	ModelConfig	Configured (loaded) model metadata

Table 2.51: EngineConfig:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.15 EngineInfoTagGroup.json

Name: EngineInfo
Context: com.adlinktech.vision
Version: v1.0
Description: Inference Engine State & Info
QoS: state
Toplevel Typename: *No explicit name given*

Table 2.52: EngineInfo:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
engine_id	UUID	STRING		Inference engine identifier
state	EngineState	STRING		UNKNOWN — ONLINE — WORKING — OFFLINE

Table 2.53: EngineInfo:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.16 ModelReceiverStatusTagGroup.json

Name: ModelReceiverStatus
Context: com.adlinktech.vision
Version: v1.0
Description: Broadcasts the state of the Inference Engine Model Receiver config status
QoS: state
Toplevel Typename: *No explicit name given*

Table 2.54: ModelReceiverStatus:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
engine_id	UUID	STRING		Source engine identifier
use_data_river	N/A	BOOLEAN		State of the BinaryArtifact data interface - Is it available?
use_rest	N/A	BOOLEAN		State of the REST Server - Is it available?
rest_hostname	N/A	STRING		Inference engine model receiver REST server hostname or IP Address
rest_port	N/A	STRING		Inference engine model receiver REST server port
rest_path	N/A	STRING		Inference engine model receiver REST server endpoint
rest_user	N/A	STRING		Inference engine model receiver REST server username
rest_password	N/A	STRING		Inference engine model receiver REST server password

Table 2.55: ModelReceiverStatus:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.17 OutputTensorTagGroup.json

Name: OutputTensor
Context: com.adlinktech.vision
Version: v1.0
Description: Generic inference engine results for any model
QoS: telemetry
Toplevel Typename: *No explicit name given*

Table 2.56: OutputTensor:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
index	length	UINT32		Output tensor index
output	length	UINT32		Named output tensor
rank	length	UINT32_SEQ		Size of output tensor dimension data
data	raw	FLOAT32_SEQ		Data for specified dimension
data.type	com.vision.models.PrecisionMode	STRING		Precision of data sequence

Table 2.57: OutputTensor:com.adlinktech.vision:v1.0: TensorData

Name	Unit	Type	Subtype	Description
stream_id	UUID	STRING		ID of the stream fed into the inference engine
engine_id	UUID	STRING		Inference engine identifier
frame_id	NUM	UINT32		ID of the input video frame fed to the inference engine
dimensions	index	UINT32_SEQ		Total number of dimensions in output tensor
data	n/a	NVP_SEQ	TensorData	List of OutputTensor Data (the results)

Table 2.58: OutputTensor:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.18 PerformanceTagGroup.json

Name: Performance
Context: com.adlinktech.vision
Version: v1.0
Description: Inference Engine processing performance update
QoS: bestEffortTelemetry
Toplevel Typename: *No explicit name given*

Table 2.59: Performance:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
engine_id	UUID	STRING		Inference engine identifier
stream_id	UUID	STRING		Stream publisher ID
frame_id	NUM	UINT32		Frame sample ID
delay	milliseconds	UINT32		Inference processing time

Table 2.60: Performance:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.19 SegmentationTagGroup.json

Name: Segmentation
Context: com.adlinktech.vision
Version: v1.0
Description: Inference engine results for classification model
QoS: telemetry
Toplevel Typename: *No explicit name given*

Table 2.61: Segmentation:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
id	UUID	INT32		Segmentation mask index/id
width	pixels	INT32		Segmentation mask frame width
height	pixels	INT32		Segmentation mask frame height
size	bytes	INT32		Segmentation mask payload size (bytes)
channel	index	INT32		Segmentation mask output channel
color	Color	STRING		Segmentation mask color (#XXXXXX)
label	UUID	STRING		Classification label name
probability	Percentage	FLOAT32		Network confidence
data	bytes	BYTE_SEQ		Segmentation mask frame data

Table 2.62: Segmentation:com.adlinktech.vision:v1.0: SegmentationData

Name	Unit	Type	Subtype	Description
engine_id	UUID	STRING		Inference engine identifier
stream_id	UUID	STRING		ID of the stream fed into the inference engine
frame_id	NUM	UINT32		ID of the input video frame fed to the inference engine
inference_id	NUM	UINT32		Segmentation mask instance in the result array
data	n/a	NVP_SEQ	SegmentationData	List of Segmentation Data (the results)

Table 2.63: Segmentation:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.20 StreamRequestTagGroup.json

Name: StreamRequest
Context: com.adlinktech.vision
Version: v1.0
Description: Request model for initiating device video streams
QoS: event
Toplevel Typename: *No explicit name given*

Table 2.64: StreamRequest:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
stream_id	UUID	STRING		ID of the stream to control
enable_stream	n/a	BOOLEAN		Enable or disable the stream
framerate	frames per second	FLOAT32		Specify the framerate that should be streamed

Table 2.65: StreamRequest:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.21 TrainingStreamerConfigTagGroup.json

Name:	TrainingStreamerConfig
Context:	com.adlinktech.vision
Version:	v1.0
Description:	Reports if a training streamer status is change.
QoS:	state
Toplevel Typename:	<i>No explicit name given</i>

Table 2.66: TrainingStreamerConfig:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
StreamId	NA	STRING		Stream id
Status	NA	BOOLEAN		on (true) or off (false)
NumberOfFrame	NA	INT32		Number of frames per time unit, 0 means no downsampling
TimeUnit	NA	STRING		Time unit, could be Second/Minute/Hour

Table 2.67: TrainingStreamerConfig:com.adlinktech.vision:v1.0: StreamInfo

Name	Unit	Type	Subtype	Description
FrameStorage	NA	STRING		Save location in local or remote.
StreamId	NA	NVP_SEQ	StreamInfo	List of stream id

Table 2.68: TrainingStreamerConfig:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.4.22 VideoFrameTagGroup.json

Name:	VideoFrame
Context:	com.adlinktech.vision
Version:	v1.0
Description:	Video frame sample
QoS:	video
Toplevel Typename:	<i>No explicit name given</i>

Table 2.69: VideoFrame:com.adlinktech.vision:v1.0

Name	Unit	Type	Subtype	Description
stream_id	UUID	STRING		Stream publisher ID
frame_id	NUM	UINT32		Frame sample ID
timestamp	time	INT64		Time of image capture event
data	Frame data	BYTE_SEQ		Video frame data
width	Pixels	UINT32		Frame width
height	Pixels	UINT32		Frame height
channels	Number of channels	UINT32		Channels
size	Size	UINT32		Data size
format	PixelFormat	STRING		Pixel format using OpenCV Definitions
compression	CompressionKind	STRING		Compression technology used for video frame
framerate	fps	FLOAT32		Frame transmission frequency

Table 2.70: VideoFrame:com.adlinktech.vision:v1.0: *Toplevel Type (no explicit name given)*

2.5 TagGroup Definition Cross-Reference

Table 2.71: TagGroup Definition Cross-Reference

TagGroup	Filename
AITagGroup:com.adlinktech.ai:v1.0	AITagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	AcknowledgeTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	AlarmTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	BinaryArtifactTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	CameraConnectRequestTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	CaptureStartTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	CaptureStopTagGroup.json

Table 2.71: TagGroup Definition Cross-Reference

TagGroup	Filename
Acknowledge:com.adlinktech.vision:v1.0	ClassificationTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	ConfigActualTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	ConfigRequestTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	DetectionBoxTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	DetectionPointTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	DeviceErrorTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	DeviceInfoTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
Acknowledge:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
Alarm:com.adlinktech.vision:v1.0	AlarmTagGroup.json
Alarm:com.adlinktech.vision:v1.0	BinaryArtifactTagGroup.json
Alarm:com.adlinktech.vision:v1.0	CameraConnectRequestTagGroup.json
Alarm:com.adlinktech.vision:v1.0	CaptureStartTagGroup.json
Alarm:com.adlinktech.vision:v1.0	CaptureStopTagGroup.json
Alarm:com.adlinktech.vision:v1.0	ClassificationTagGroup.json
Alarm:com.adlinktech.vision:v1.0	ConfigActualTagGroup.json
Alarm:com.adlinktech.vision:v1.0	ConfigRequestTagGroup.json
Alarm:com.adlinktech.vision:v1.0	DetectionBoxTagGroup.json
Alarm:com.adlinktech.vision:v1.0	DetectionPointTagGroup.json
Alarm:com.adlinktech.vision:v1.0	DeviceErrorTagGroup.json
Alarm:com.adlinktech.vision:v1.0	DeviceInfoTagGroup.json
Alarm:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
Alarm:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
Alarm:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
Alarm:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
Alarm:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
Alarm:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
Alarm:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
Alarm:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
Alarm:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	BinaryArtifactTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	CameraConnectRequestTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	CaptureStartTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	CaptureStopTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	ClassificationTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	ConfigActualTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	ConfigRequestTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	DetectionBoxTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	DetectionPointTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	DeviceErrorTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	DeviceInfoTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
BinaryArtifact:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	CameraConnectRequestTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	CaptureStartTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	CaptureStopTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	ClassificationTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	ConfigActualTagGroup.json

Table 2.71: TagGroup Definition Cross-Reference

TagGroup	Filename
CameraConnectRequest:com.adlinktech.vision:v1.0	ConfigRequestTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	DetectionBoxTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	DetectionPointTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	DeviceErrorTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	DeviceInfoTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
CameraConnectRequest:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	CaptureStartTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	CaptureStopTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	ClassificationTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	ConfigActualTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	ConfigRequestTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	DetectionBoxTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	DetectionPointTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	DeviceErrorTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	DeviceInfoTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
CaptureStart:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	CaptureStopTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	ClassificationTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	ConfigActualTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	ConfigRequestTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	DetectionBoxTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	DetectionPointTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	DeviceErrorTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	DeviceInfoTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
CaptureStop:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
Classification:com.adlinktech.vision:v1.0	ClassificationTagGroup.json
Classification:com.adlinktech.vision:v1.0	ConfigActualTagGroup.json
Classification:com.adlinktech.vision:v1.0	ConfigRequestTagGroup.json
Classification:com.adlinktech.vision:v1.0	DetectionBoxTagGroup.json
Classification:com.adlinktech.vision:v1.0	DetectionPointTagGroup.json
Classification:com.adlinktech.vision:v1.0	DeviceErrorTagGroup.json
Classification:com.adlinktech.vision:v1.0	DeviceInfoTagGroup.json
Classification:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
Classification:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
Classification:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
Classification:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
Classification:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
Classification:com.adlinktech.vision:v1.0	SegmentationTagGroup.json

Table 2.71: TagGroup Definition Cross-Reference

TagGroup	Filename
Classification:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
Classification:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
Classification:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	ConfigActualTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	ConfigRequestTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	DetectionBoxTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	DetectionPointTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	DeviceErrorTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	DeviceInfoTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
ConfigActual:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	ConfigRequestTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	DetectionBoxTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	DetectionPointTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	DeviceErrorTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	DeviceInfoTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
ConfigRequest:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
CreateStream:com.adlinktech.vision:0.1.0	CreateStreamTagGroup.json
CreateStream:com.adlinktech.vision:0.1.0	DeleteStreamTagGroup.json
CreateStream:com.adlinktech.vision:0.1.0	StreamViewerConfigTagGroup.json
DeleteStream:com.adlinktech.vision:0.1.0	DeleteStreamTagGroup.json
DeleteStream:com.adlinktech.vision:0.1.0	StreamViewerConfigTagGroup.json
DetectionBox:com.adlinktech.vision:v1.0	DetectionBoxTagGroup.json
DetectionBox:com.adlinktech.vision:v1.0	DetectionPointTagGroup.json
DetectionBox:com.adlinktech.vision:v1.0	DeviceErrorTagGroup.json
DetectionBox:com.adlinktech.vision:v1.0	DeviceInfoTagGroup.json
DetectionBox:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
DetectionBox:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
DetectionBox:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
DetectionBox:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
DetectionBox:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
DetectionBox:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
DetectionBox:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
DetectionBox:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
DetectionBox:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
DetectionPoint:com.adlinktech.vision:v1.0	DetectionPointTagGroup.json
DetectionPoint:com.adlinktech.vision:v1.0	DeviceErrorTagGroup.json
DetectionPoint:com.adlinktech.vision:v1.0	DeviceInfoTagGroup.json
DetectionPoint:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
DetectionPoint:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
DetectionPoint:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
DetectionPoint:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
DetectionPoint:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
DetectionPoint:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
DetectionPoint:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
DetectionPoint:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
DetectionPoint:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json

Table 2.71: TagGroup Definition Cross-Reference

TagGroup	Filename
DeviceError:com.adlinktech.vision:v1.0	DeviceErrorTagGroup.json
DeviceError:com.adlinktech.vision:v1.0	DeviceInfoTagGroup.json
DeviceError:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
DeviceError:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
DeviceError:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
DeviceError:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
DeviceError:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
DeviceError:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
DeviceError:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
DeviceError:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
DeviceError:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
DeviceInfo:com.adlinktech.vision:v1.0	DeviceInfoTagGroup.json
DeviceInfo:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
DeviceInfo:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
DeviceInfo:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
DeviceInfo:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
DeviceInfo:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
DeviceInfo:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
DeviceInfo:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
DeviceInfo:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
DeviceInfo:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
EngineConfig:com.adlinktech.vision:v1.0	EngineConfigTagGroup.json
EngineConfig:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
EngineConfig:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
EngineConfig:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
EngineConfig:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
EngineConfig:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
EngineConfig:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
EngineConfig:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
EngineConfig:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
EngineInfo:com.adlinktech.vision:v1.0	EngineInfoTagGroup.json
EngineInfo:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
EngineInfo:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
EngineInfo:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
EngineInfo:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
EngineInfo:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
EngineInfo:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
EngineInfo:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
ModelReceiverStatus:com.adlinktech.vision:v1.0	ModelReceiverStatusTagGroup.json
ModelReceiverStatus:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
ModelReceiverStatus:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
ModelReceiverStatus:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
ModelReceiverStatus:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
ModelReceiverStatus:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
ModelReceiverStatus:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
OutputTensor:com.adlinktech.vision:v1.0	OutputTensorTagGroup.json
OutputTensor:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
OutputTensor:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
OutputTensor:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
OutputTensor:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
OutputTensor:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
Performance:com.adlinktech.vision:v1.0	PerformanceTagGroup.json
Performance:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
Performance:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
Performance:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
Performance:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
Segmentation:com.adlinktech.vision:v1.0	SegmentationTagGroup.json
Segmentation:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
Segmentation:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
Segmentation:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
StreamRequest:com.adlinktech.vision:v1.0	StreamRequestTagGroup.json
StreamRequest:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json

Table 2.71: TagGroup Definition Cross-Reference

TagGroup	Filename
StreamRequest:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
StreamViewerConfig:com.adlinktech.vision:0.1.0	StreamViewerConfigTagGroup.json
TrainingStreamerConfig:com.adlinktech.vision:v1.0	TrainingStreamerConfigTagGroup.json
TrainingStreamerConfig:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
VideoFrame:com.adlinktech.vision:v1.0	VideoFrameTagGroup.json
configuration:com.adlinktech.usb2405:v1.0	DAQStateTagGroup.json
meta_data:com.adlinktech.usb2405:v1.0	ChannelMetaDataTagGroup.json
meta_data:com.adlinktech.usb2405:v1.0	DAQStateTagGroup.json
raw_data:com.adlinktech.usb2405:v1.0	ChannelDataTagGroup.json
raw_data:com.adlinktech.usb2405:v1.0	ChannelMetaDataTagGroup.json
raw_data:com.adlinktech.usb2405:v1.0	DAQStateTagGroup.json