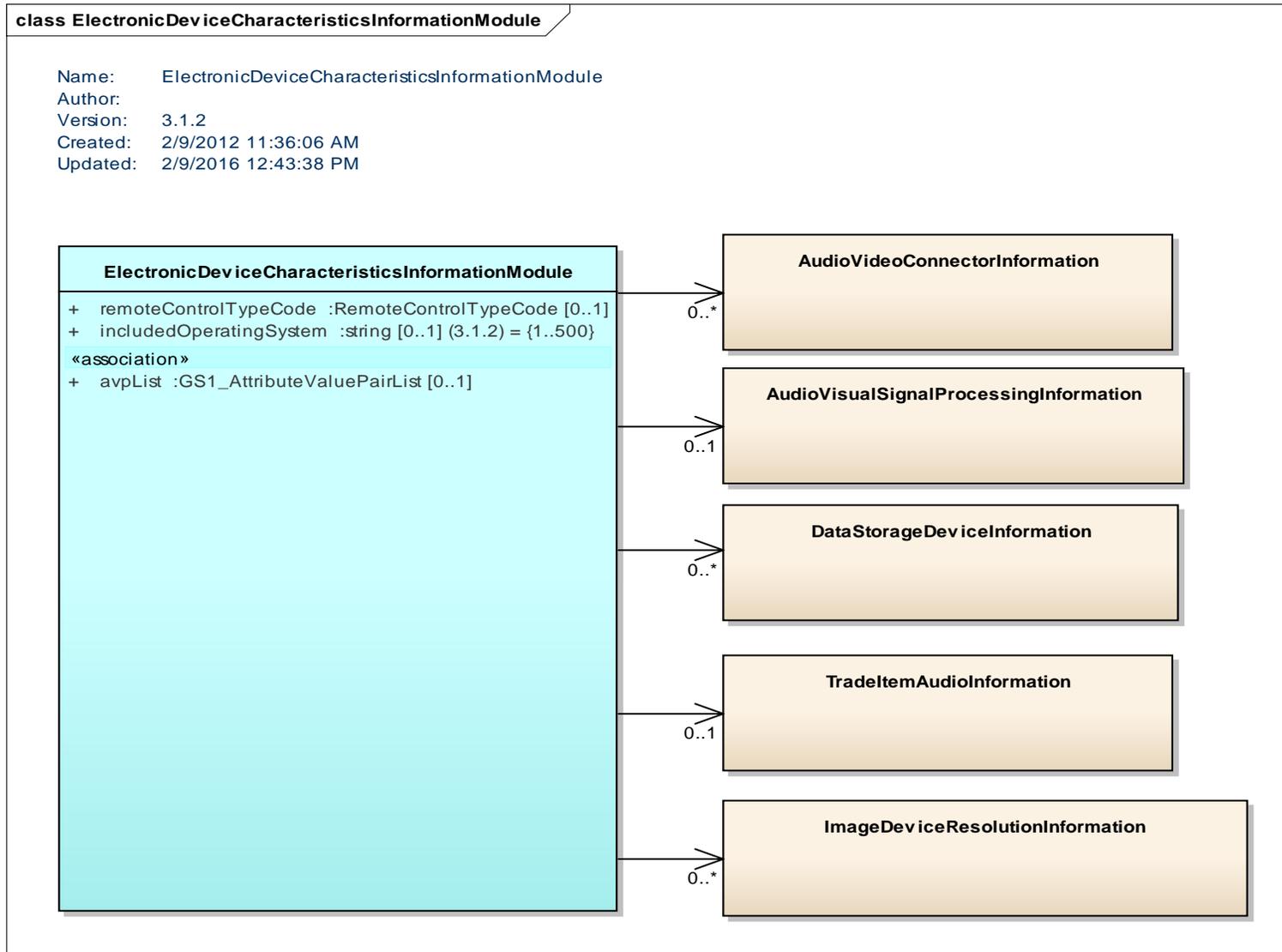
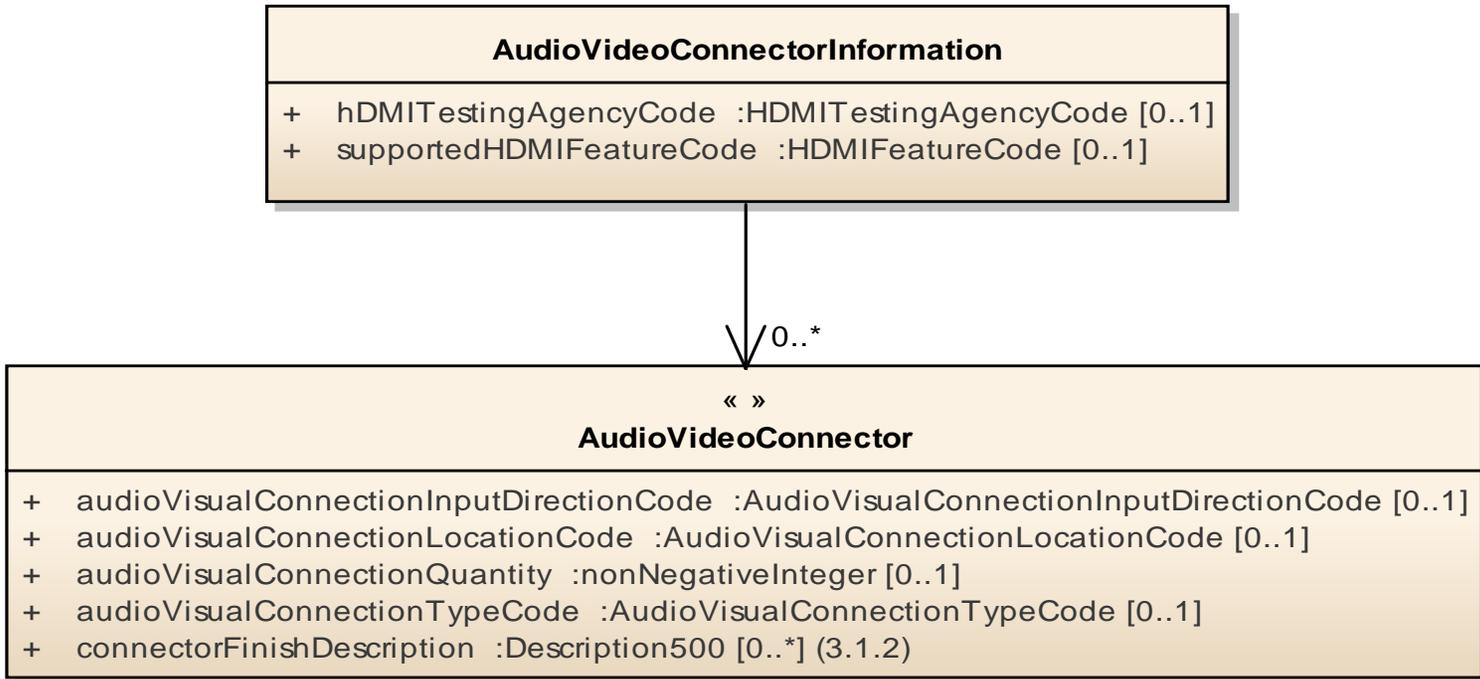




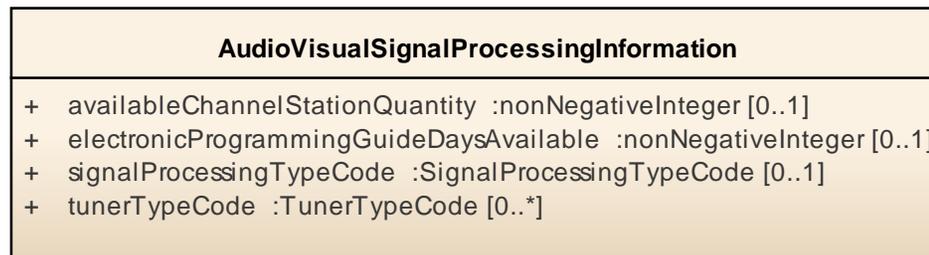
5.22. Electronic Device Characteristics Information Module



class AudioVideoConnectorInformation



class AudioVisualSignalProcessingInformation



class DataStorageDeviceInformation

DataStorageDeviceInformation

- + externalMemoryTypeCode :ExternalMemoryTypeCode [0..*]
- + internalMemoryTypeCode :InternalMemoryTypeCode [0..1]

class ImageDeviceResolutionInformation

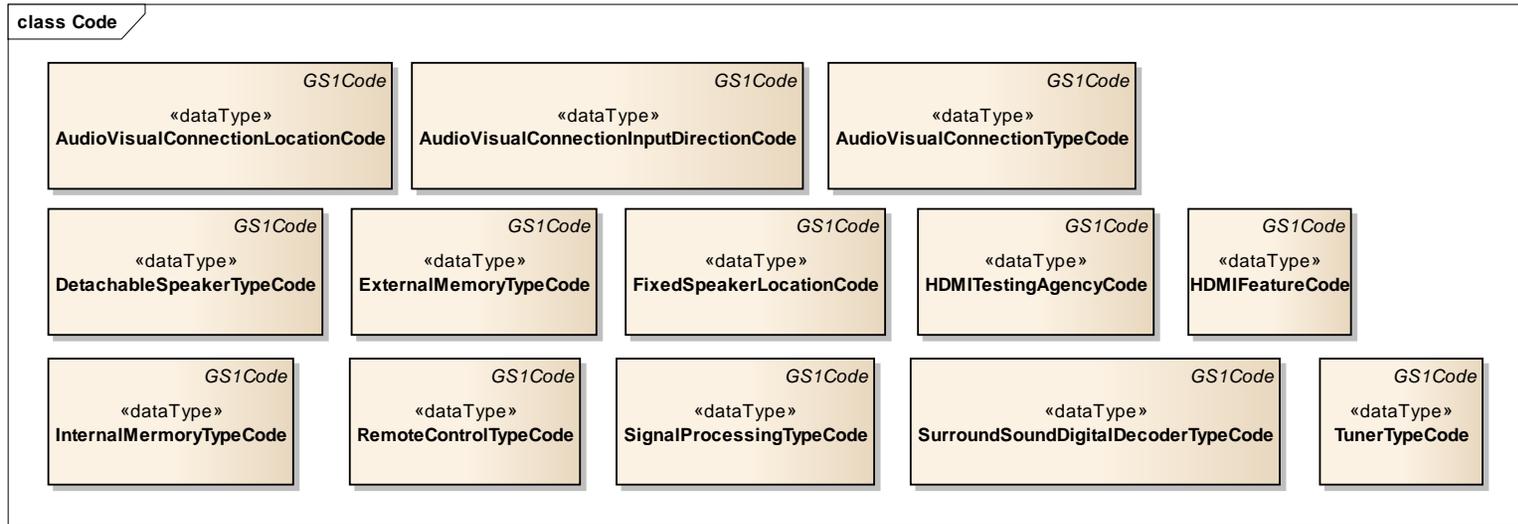
ImageDeviceResolutionInformation

- + maximumResolution :Measurement [0..*] (3.1.2)
- + resolutionTypeCode :ResolutionTypeCode [0..1] (3.1.2)

class TradeItemAudioInformation

TradeItemAudioInformation

- + detachableSpeakerTypeCode :DetachableSpeakerTypeCode [0..1]
- + fixedSpeakerLocationCode :FixedSpeakerLocationCode [0..1]
- + surroundSoundDigitalDecoderTypeCode :SurroundSoundDigitalDecoderTypeCode [0..*]
- + totalAudioPowerOutput :Measurement [0..1]
- + microphoneTypeCode :MicrophoneTypeCode [0..1] (3.1.2)



Content	Attribute / Role	Datatype /Secondary class	Multi plici ty	Definition
AudioVideoConnectorInfor mation				Audio Video Connector information for a trade item.
Association		AudioVideoConnector	0..*	Audio Video Connector information for a trade item.
Attribute	hDMITestingAgencyC ode	HDMITestingAgencyCode	0..1	The testing agency that has certified all of the product's HDMI inputs or outputs as a code. HDMI/HDCP interoperability is tested either by SimplayHD or another Authorized Testing Centre with the 1.2a specification. The High-Definition multimedia Interface (HDMI) is a compact audio/video connector interface for transmitting uncompressed digital streams. High-bandwidth Digital Content Protection (HDCP) is a form of digital copy protection.
Attribute	supportedHDMIFeatur eCode	HDMIFeatureCode	0..1	The type of features that are supported by the High-Definition multimedia Interface. The High-Definition Multimedia Interface (HDMI) is a compact audio/video connector interface for transmitting uncompressed digital streams.



Content	Attribute / Role	Datatype /Secondary class	Multi plici ty	Definition
AudioVideoConnector				Audio Video Connector information for a trade item.
Attribute	audioVisualConnectio nInputDirectionCode	AudioVisualConnectionInp utDirectionCode	0..1	The directions of connections (input, output) that are available expressed as a code value.
Attribute	audioVisualConnectio nLocationCode	AudioVisualConnectionLoc ationCode	0..1	The location on the unit of any audio visual connector for example top.
Attribute	audioVisualConnectio nQuantity	nonNegativeInteger	0..1	The number of audio visual connections available on the unit expressed as a code.
Attribute	audioVisualConnectio nTypeCode	AudioVisualConnectionTyp eCode	0..1	The types of Standard or Basic Connection Types that are available expressed as a code.
Attribute	connectorFinishDescri ption	Description500	0..*	The plating used on the electrical mating surfaces of connectors.
AudioVisualSignalProcess ingInformation				Information on signal processing for a trade item. Signal processing is the ability to perform useful operations on signals.
Attribute	availableChannelStati onQuantity	nonNegativeInteger	0..1	The number of channels available on the unit expressed as an integer.
Attribute	electronicProgrammin gGuideDaysAvailable	nonNegativeInteger	0..1	The number of days available in an electronic programming guide expressed as an integer. The electronic programming guide feature is the capability for the users to interact with an intelligent guide.
Attribute	signalProcessingType Code	SignalProcessingTypeCod e	0..1	The type of processing capability of the television to receive and process enhanced signal types expressed as a code for example Analogue.
Attribute	tunerTypeCode	TunerTypeCode	0..*	A tuner type is the technology used for the built-in receiver expressed as a code for example HD (high definition). A tuner receives broadcasts and converts them into signals.
DataStorageDeviceInform ation				Information on included data storage devices associated with the trade item.
Attribute	externalMemoryTypeC ode	ExternalMemoryTypeCode	0..*	The components, devices, and recording media that retain digital data that is external to the device expressed as a code.



Content	Attribute / Role	Datatype /Secondary class	Multi plici ty	Definition
Attribute	internalMemoryTypeCode	InternalMemoryTypeCode	0..1	The components, devices, and recording media that retain digital data that is internal to the device expressed as a code.
ElectronicDeviceCharacteristicsInformationModule				A module containing technical and other product characteristics for electronic items.
Association		AudioVisualSignalProcessingInformation	0..1	Signal processing information for a trade item.
Association		TradeItemAudioInformation	0..1	Information on audio functionality of a Trade Item.
Association		DataStorageDeviceInformation	0..*	Information on included data storage devices associated with the trade item.
Association		AudioVideoConnectorInformation	0..*	Audio Video Connector Information for a trade item.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	includedOperatingSystem	String	0..1	The operating system loaded on the trade item, device or upon which the software is designed to operate.
Attribute	remoteControlTypeCode	RemoteControlTypeCode	0..1	The type of remote control functionality available with a unit expressed as a code.
ImageDeviceResolutionInformation				Details on the resolution for an image device such as a camera.
attribute	maximumResolution	Measurement	0..*	The maximum resolution of the image device, measured in dots/pixels per some measure.
attribute	resolutionTypeCode	ResolutionTypeCode	0..1	The qualifier describing the resolution of the device expressed as a code for example IMAGE.
TradeItemAudioInformation				Information on audio functionality of a Trade Item.
Attribute	detachableSpeakerTypeCode	DetachableSpeakerTypeCode	0..1	The type of detachable speakers available on the unit for example wireless.
Attribute	fixedSpeakerLocationCode	FixedSpeakerLocationCode	0..1	The location of speakers that cannot be detached available on the unit.



Content	Attribute / Role	Datatype /Secondary class	Multi plici ty	Definition
Attribute	microphoneTypeCode	microphoneTypeCode	0..1	The type of microphone the trade item contains expressed as a code for example WIRELESS.
Attribute	surroundSoundDigital DecoderTypeCode	SurroundSoundDigitalDeco derTypeCode	0..*	The type of feature capable of decoding and playback of particular sound systems expressed as a code for example DTS HD.
Attribute	totalAudioPowerOutput	Measurement	0..1	The total audio power output of the product expressed in Watts.