Device: 192.168.15.42:80

Test time: 2019-03-18 02:02:39.838726

Test: SetReplayConfiguration

The DUT SetReplayConfiguration SessionTimeout to PT25S, but did not send valid SetReplayConfigurationResponse message

Response: Response: None, set Timeout to PT25S, returned back to PT60S

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Test: GetServiceCapabilities

None

Response: (Capabilities){ _RTP_RTSP_TCP = True _ReversePlayback = False _SessionTimeoutRange = "1 60" }

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Test: GetReplayConfiguration

None

Response: (ReplayConfiguration){ SessionTimeout = "PT60S" }

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Test: GetServiceCapabilities

None

Response: (Capabilities){ _MetadataSearch = False _GeneralStartEvents = False }

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Test: GetServiceCapabilities

None

Response: (Capabilities){ _MaxRecordings = 1.0 _Encoding = "G711 G726 AAC H264 JPEG" _DynamicRecordings = False _Options = True _MaxRate = 16384.0 _DynamicTracks = False _MaxRecordingJobs = 1 _MaxTotalRate = 16384.0 }

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Test: GetSupportedRules

None

Response: (SupportedRules){ RuleContentSchemaLocation[] = "http://www.w3.org/2001/XMLSchema", RuleDescription[] = (ConfigDescription){ _Name = "tt:CellMotionDetector" Parameters = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:integer" _Name = "MinCount" }, (SimpleItemDescription){ _Type = "xs:integer" _Name = "AlarmOnDelay" }, (SimpleItemDescription){ _Type = "xs:integer" _Name = "AlarmOffDelay" }, (SimpleItemDescription){ _Type = "xs:base64Binary" _Name = "ActiveCells" }, } Messages[] = (Messages){ _IsProperty = True Source = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoSourceConfigurationToken" }, (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoAnalyticsConfigurationToken" }, (SimpleItemDescription){ _Type = "xs:string" _Name = "Rule" }, } Data = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "IsMotion" }, } ParentTopic = "tns1:RuleEngine/CellMotionDetector/Motion" }, }, (ConfigDescription){ _Name = "tt:LineDetector" Parameters = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:Direction" _Name = "Direction" }, ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:Polyline" _Name = "Segments" }, } Messages[] = (Messages){ _IsProperty = True Source = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoSourceConfigurationToken" }, (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoAnalyticsConfigurationToken" }, (SimpleItemDescription){ _Type = "xs:string" _Name = "Rule" }, } Data = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:integer" _Name = "ObjectId" }, } ParentTopic = "tns1:RuleEngine/LineDetector/Crossed" }, }, (ConfigDescription){ _Name = "tt:FieldDetector" Parameters = (ItemListDescription){ ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:Polygon" _Name = "Field" }, } Messages[] = (Messages){ _IsProperty = True Source = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoSourceConfigurationToken" }, (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoAnalyticsConfigurationToken" }, (SimpleItemDescription){ _Type = "xs:string" _Name = "Rule" }, } Key = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:integer" _Name = "ObjectId" }, } Data = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "IsInside" }, } ParentTopic = "tns1:RuleEngine/FieldDetector/ObjectsInside" }, }, (ConfigDescription){ _Name = "hikxsd:TamperDetector" Parameters = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:PolygonConfiguration" _Name = "Field" }, } Messages[] = (Messages){ _IsProperty = True Source = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoSourceConfigurationToken" }, (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoAnalyticsConfigurationToken" }, (SimpleItemDescription){ _Type = "xs:string" _Name = "Rule" }, } Data = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "IsTamper" }, } ParentTopic = "tns1:RuleEngine/TamperDetector/Tamper" }, }, }

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Test: GetSupportedAnalyticsModules

None

Response: (SupportedAnalyticsModules){ AnalyticsModuleContentSchemaLocation[] = "http://www.w3.org/2001/XMLSchema", AnalyticsModuleDescription[] = (ConfigDescription){ _Name = "tt:CellMotionEngine" Parameters = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:integer" _Name = "Sensitivity" }, ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:CellLayout" _Name = "Layout" }, } Messages[] = (Messages){ _IsProperty = True Source = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoSourceConfigurationToken" }, (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoAnalyticsConfigurationToken" }, (SimpleItemDescription){ _Type = "xs:string" _Name = "Rule" }, } Data = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "IsMotion" }, } ParentTopic = "tns1:RuleEngine/CellMotionDetector/Motion" }, }, (ConfigDescription){ _Name = "tt:LineDetectorEngine" Parameters = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:integer" _Name = "Sensitivity" }, ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:Transformation" _Name = "Transformation" }, (ElementItemDescription){ _Type = "tt:Polygon" _Name = "Field" }, } Messages[] = (Messages){ _IsProperty = True Source = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoSourceConfigurationToken" }, (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoAnalyticsConfigurationToken" }, (SimpleItemDescription){ _Type = "xs:string" _Name = "Rule" }, } Data = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:integer" _Name = "ObjectId" }, } ParentTopic = "tns1:RuleEngine/LineDetector/Crossed" }, }, (ConfigDescription){ _Name = "tt:FieldDetectorEngine"

Parameters = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:integer" _Name = "Sensitivity" }, ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:Transformation" _Name = "Transformation" }, (ElementItemDescription){ _Type = "tt:Polygon" _Name = "Field" }, } Messages[] = (Messages){ _IsProperty = True Source = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoSourceConfigurationToken" }, (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoAnalyticsConfigurationToken" }, (SimpleItemDescription){ _Type = "xs:string" _Name = "Rule" }, } Key = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:integer" _Name = "ObjectId" }, } Data = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "IsInside" }, } ParentTopic = "tns1:RuleEngine/FieldDetector/ObjectsInside" }, }, (ConfigDescription){ _Name = "hikxsd:TamperEngine" Parameters = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:integer" _Name = "Sensitivity" }, ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:Transformation" _Name = "Transformation" }, (ElementItemDescription){ _Type = "tt:PolygonConfiguration" _Name = "Field" }, } Messages[] = (Messages){ _IsProperty = True Source = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoSourceConfigurationToken" }, (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoAnalyticsConfigurationToken" }, (SimpleItemDescription){ _Type = "xs:string" _Name = "Rule" }, } Data = (ItemListDescription){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "IsTamper" }, } ParentTopic = "tns1:RuleEngine/TamperDetector/Tamper" }, }, }

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Test: GetServiceCapabilities

None

Response: (Capabilities){ _AnalyticsModuleSupport = True _RuleSupport = True _CellBasedSceneDescriptionSupported = True }

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Test: GetRules

None

Response: [(Config){ _Type = "tt:CellMotionDetector" _Name = "MyMotionDetectorRule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "MinCount" _Value = "5" }, (SimpleItem){ _Name = "AlarmOnDelay" _Value = "1000" }, (SimpleItem){ _Name = "AlarmOffDelay" _Value = "1000" }, (SimpleItem){ _Name = "ActiveCells" _Value = "0P8A8A==" }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector1" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector2" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector3" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector4" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector1" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector2" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector3" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector4" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "hikxsd:TamperDetector" _Name = "MyTamperDetectorRule" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, } } }, } }]

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Test: GetAnalyticsModules

None

Response: [(Config){ _Type = "tt:CellMotionEngine" _Name = "MyCellMotionModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "80" }, ElementItem[] = (ElementItem){ _Name = "Layout" CellLayout = (CellLayout){ _Rows = "18" _Columns = "22" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.111111" _x = "0.090909" } } } }, } }, (Config){ _Type = "tt:LineDetectorEngine" _Name = "MyLineDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "tt:FieldDetectorEngine" _Name = "MyFieldDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "hikxsd:TamperEngine" _Name = "MyTamperDetecModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "0" }, ElementItem[] = (ElementItem){ _Name = "Transformation" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.003472" _x = "0.002841" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "576" _x = "0" }, (Point){ _y = "576" _x = "704" }, (Point){ _y = "0" _x = "704" }, } } }, } }]

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Test: DeleteRules

Optional Action Not Implemented

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Test: GetVideoOutputs

Optional Action Not Implemented

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Test: GetServiceCapabilities

None

Response: (Capabilities){ _VideoOutputs = 0 _AudioOutputs = 1 _RelayOutputs = 1 _SerialPorts = 1 _AudioSources = 1 _VideoSources = 1 _DigitalInputs = 1 }

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Test: GetSerialPorts

None

Response: [(SerialPort){ _token = "RS232" }]

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Test: GetRelayOutputs

None

Response: [(RelayOutput){ _token = "AlarmOut_0" Properties = (RelayOutputSettings){ Mode = "Bistable" DelayTime = "PT0S" IdleState = "closed" } }]

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Test: GetDigitalInputs

None

Response: [(DigitalInput){ _token = "AlarmIn_1" }]

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Test: GetAudioSources

None

Response: [(AudioSource){ _token = "AudioSourceChannel " Channels = 1 }]

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Test: GetAudioSourceConfigurationOptions

The requested configuration does not exist..

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Test: GetAudioSourceConfiguration

The requested configuration does not exist..

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Test: GetImagingSettings

None

Response: (ImagingSettings20){ BacklightCompensation = (BacklightCompensation20){ Mode = "OFF" } Brightness = 10.0 ColorSaturation = 30.0 Contrast = 40.0 Exposure = (Exposure20){ Mode = "AUTO" MinExposureTime = 33.0 MaxExposureTime = 40000.0 MinGain = 0.0 MaxGain = 0.0 MinIris = -22.0 MaxIris = 0.0 } Focus = (FocusConfiguration20){ AutoFocusMode = "AUTO" NearLimit = 300.0 FarLimit = 0.0 } IrCutFilter = "AUTO" Sharpness = 50.0 WideDynamicRange = (WideDynamicRange20){ Mode = "OFF" } WhiteBalance = (WhiteBalance20){ Mode = "AUTO" } Extension = (ImagingSettingsExtension20){ Extension[] = (Extension){ Extension[] = (Extension){ Defogging[] = (Defogging){ Mode[] = "OFF", }, NoiseReduction[] = (NoiseReduction){ Level[] = "0.500000", }, }, } }

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Test: GetServiceCapabilities

None

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Test: GetServiceCapabilities

None

Response: (Capabilities){ _WSPullPointSupport = True _MaxPullPoints = 10 _MaxNotificationProducers = 10 _WSPausableSubscriptionManagerInterfaceSupport = False _WSSubscriptionPolicySupport = True }

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Test: GetEventProperties

None

Response: (reply){ TopicNamespaceLocation[] = "http://www.onvif.org/onvif/ver10/topics/topicns.xml", FixedTopicSet = True TopicSet = (TopicSetType){ VideoSource[] = (VideoSource){ _topic = "true" MotionAlarm[] = (MotionAlarm){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Source[] = (Source){ SimpleItemDescription[] =

(SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "Source" }, }, Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "State" }, }, }, }, Device[] = (Device){ _topic = "true" Trigger[] = (Trigger){ _topic = "true" AlarmIn[] = (AlarmIn){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "AlarmInToken" }, }, Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "State" }, }, }, }, DigitalInput[] = (DigitalInput){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "InputToken" }, }, Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "LogicalState" }, }, }, }, Relay[] = (Relay){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "RelayToken" }, }, Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:RelayLogicalState" _Name = "LogicalState" }, }, }, }, }, HardwareFailure[] = (HardwareFailure){ _topic = "true" HardDiskFull[] = (HardDiskFull){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:int" _Name = "HardDiskNo" }, }, }, }, HardDiskError[] = (HardDiskError){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:int" _Name = "HardDiskNo" }, }, }, }, StorageFailure[] = (StorageFailure){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "Token" }, }, Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "Failed" }, }, }, }, }, Network[] = (Network){ _topic = "true" EthernetBroken[] = (EthernetBroken){ _topic = "true" }, IPAddrConflict[] = (IPAddrConflict){ _topic = "true" }, }, }, UserAlarm[] = (UserAlarm){ _topic = "true" IllegalAccess[] = (IllegalAccess){ _topic = "true" }, }, RuleEngine[] = (RuleEngine){ _topic = "true" CellMotionDetector[] = (CellMotionDetector){ _topic = "true" Motion[] = (Motion){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoSourceConfigurationToken" }, (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoAnalyticsConfigurationToken" }, (SimpleItemDescription){ _Type = "xs:string" _Name = "Rule" }, }, Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "IsMotion" }, }, }, }, }, LineDetector[] = (LineDetector){ _topic = "true" Crossed[] = (Crossed){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoSourceConfigurationToken" }, (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoAnalyticsConfigurationToken" }, (SimpleItemDescription){ _Type = "xs:string" _Name = "Rule" }, }, Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:integer" _Name = "ObjectId" }, }, }, }, }, FieldDetector[] = (FieldDetector){ _topic = "true" ObjectsInside[] = (ObjectsInside){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoSourceConfigurationToken" }, (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoAnalyticsConfigurationToken" }, (SimpleItemDescription){ _Type = "xs:string" _Name = "Rule" }, }, Key[] = (Key){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:integer" _Name = "ObjectId" }, }, Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "IsInside" }, }, }, }, }, TamperDetector[] = (TamperDetector){ _topic = "true" Tamper[] = (Tamper){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoSourceConfigurationToken" }, (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "VideoAnalyticsConfigurationToken" }, (SimpleItemDescription){ _Type = "xs:string" _Name = "Rule" }, }, Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "IsTamper" }, }, }, }, }, }, AudioAnalytics[] = (AudioAnalytics){ _topic = "true" Audio[] = (Audio){ _topic = "true" DetectedSound[] = (DetectedSound){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "AudioSourceConfigurationToken" }, (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "AudioAnalyticsConfigurationToken" }, (SimpleItemDescription){ _Type = "xs:string" _Name = "Rule" }, }, Key[] = (Key){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:boolean" _Name = "isSoundDetected" }, }, Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:dateTime" _Name = "UTCTime" }, }, }, }, }, }, Configuration[] = (Configuration){ _topic = "true" Profile[] = (Profile){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "Token" }, }, Data[] = (Data){ ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:Profile" _Name = "Configuration" }, }, }, }, VideoEncoderConfiguration[] = (VideoEncoderConfiguration){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "Token" }, }, Data[] = (Data){ ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:VideoEncoderConfiguration" _Name = "Configuration" }, }, }, }, VideoSourceConfiguration[] = (VideoSourceConfiguration){ _topic = "true" MediaService[] = (MediaService){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "Token" }, }, Data[] = (Data){ ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:VideoSourceConfiguration" _Name = "Configuration" }, }, }, }, }, AudioEncoderConfiguration[] = (AudioEncoderConfiguration){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "Token" }, }, Data[] = (Data){ ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:AudioEncoderConfiguration" _Name = "Configuration" }, }, }, }, AudioSourceConfiguration[] =

(AudioSourceConfiguration){ _topic = "true" MediaService[] = (MediaService){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "Token" }, }, Data[] = (Data){ ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:AudioSourceConfiguration" _Name = "Configuration" }, }, }, }, }, AudioOutputConfiguration[] = (AudioOutputConfiguration){ _topic = "true" MediaService[] = (MediaService){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "Token" }, }, Data[] = (Data){ ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:AudioOutputConfiguration" _Name = "Configuration" }, }, }, }, }, MetadataConfiguration[] = (MetadataConfiguration){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "Token" }, }, Data[] = (Data){ ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:MetadataConfiguration" _Name = "Configuration" }, }, }, }, PTZConfiguration[] = (PTZConfiguration){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "Token" }, }, Data[] = (Data){ ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:PTZConfiguration" _Name = "Configuration" }, }, }, }, VideoAnalyticsConfiguration[] = (VideoAnalyticsConfiguration){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "Token" }, }, Data[] = (Data){ ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:VideoAnalyticsConfiguration" _Name = "Configuration" }, }, }, }, }, RecordingConfig[] = (RecordingConfig){ _topic = "true" JobState[] = (JobState){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:RecordingJobReference" _Name = "RecordingJobToken" }, }, Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:string" _Name = "State" }, ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:RecordingJobStateInformation" _Name = "Information" }, }, }, }, RecordingJobConfiguration[] = (RecordingJobConfiguration){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:RecordingJobReference" _Name = "RecordingJobToken" }, }, Data[] = (Data){ ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:RecordingJobConfiguration" _Name = "Configuration" }, }, }, }, RecordingConfiguration[] = (RecordingConfiguration){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:RecordingReference" _Name = "RecordingToken" }, }, Data[] = (Data){ ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:RecordingConfiguration" _Name = "Configuration" }, }, }, }, TrackConfiguration[] = (TrackConfiguration){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:RecordingReference" _Name = "RecordingToken" }, (SimpleItemDescription){ _Type = "tt:TrackReference" _Name = "TrackToken" }, }, Data[] = (Data){ ElementItemDescription[] = (ElementItemDescription){ _Type = "tt:TrackConfiguration" _Name = "Configuration" }, }, }, }, }, Advancedsecurity[] = (Advancedsecurity){ _topic = "true" Keystore[] = (Keystore){ _topic = "true" KeyStatus[] = (KeyStatus){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "false" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:KeyID" _Name = "KeyID" }, }, Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:KeyStatus" _Name = "OldStatus" }, (SimpleItemDescription){ _Type = "xs:KeyStatus" _Name = "NewStatus" }, }, }, }, }, }, Monitoring[] = (Monitoring){ _topic = "true" Backup[] = (Backup){ _topic = "true" Last[] = (Last){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:dateTime" _Name = "Status" }, }, }, }, }, ProcessorUsage[] = (ProcessorUsage){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Source[] = (Source){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "tt:ReferenceToken" _Name = "Token" }, }, Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:float" _Name = "Value" }, }, }, }, OperatingTime[] = (OperatingTime){ _topic = "true" LastReset[] = (LastReset){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:dateTime" _Name = "Status" }, }, }, }, }, (OperatingTime){ _topic = "true" LastReboot[] = (LastReboot){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:dateTime" _Name = "Status" }, }, }, }, }, (OperatingTime){ _topic = "true" LastClockSynchronization[] = (LastClockSynchronization){ _topic = "true" MessageDescription[] = (MessageDescription){ _IsProperty = "true" Data[] = (Data){ SimpleItemDescription[] = (SimpleItemDescription){ _Type = "xs:dateTime" _Name = "Status" }, }, }, }, }, } TopicExpressionDialect[] = "http://www.onvif.org/ver10/tev/topicExpression/ConcreteSet", "http://docs.oasis-open.org/wsn/t-1/TopicExpression/Concrete", MessageContentFilterDialect[] = "http://www.onvif.org/ver10/tev/messageContentFilter/ItemFilter", MessageContentSchemaLocation[] = "http://www.onvif.org/onvif/ver10/schema/onvif.xsd", }

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Test: CreatePullPointSubscription

Valid values for SubscriptionReference CurrentTime and TerminationTime are returned(TerminationTime >= CurrentTime + InitialTerminationTime)

Response: (reply){ SubscriptionReference = (EndpointReferenceType){ Address = "http://192.168.15.42/onvif/Events/PullSubManager_2019-03-17T22:59:46Z_80" } CurrentTime = 2019-03-18 01:59:46 TerminationTime = 2019-03-18 02:00:46 }

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Test: GetVideoSources

None

Response: [(VideoSource){ _token = "VideoSource_1" Framerate = 25.0 Resolution = (VideoResolution){ Width = 1920 Height = 1080 } Imaging = (ImagingSettings){ BacklightCompensation = (BacklightCompensation){ Mode = "OFF" Level = 0.0 } Brightness = 10.0 ColorSaturation = 30.0 Contrast = 40.0 Exposure = (Exposure){ Mode = "AUTO" Priority = "LowNoise" Window = (Rectangle){ _top = 0.0 _right = 0.0 _left = 0.0 _bottom = 0.0 } MinExposureTime = 33.0 MaxExposureTime = 40000.0 MinGain = 0.0 MaxGain = 0.0 MinIris = -22.0 MaxIris = 0.0 ExposureTime = 40000.0 Gain = 0.0 Iris = 0.0 } Focus = (FocusConfiguration){ AutoFocusMode = "AUTO" DefaultSpeed = 1.0 NearLimit = 300.0 FarLimit = 0.0 } IrCutFilter = "AUTO" Sharpness = 50.0 WideDynamicRange = (WideDynamicRange){ Mode = "OFF" Level = 50.0 } WhiteBalance = (WhiteBalance){ Mode = "AUTO" CrGain = 0.0 CbGain = 0.0 } } }]

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Test: GetVideoSourceConfigurations

None

Response: [(VideoSourceConfiguration){ _token = "VideoSourceToken" Name = "VideoSourceConfig" UseCount = 3 SourceToken = "VideoSource_1" Bounds = (IntRectangle){ _y = 0 _x = 0 _height = 1080 _width = 1920 } Extension[] = (Extension){ Rotate[] = (Rotate){ Mode[] = "OFF", }, }, }]

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Test: GetVideoSourceConfigurationOptions

Type not found: 'tt:Framerate'

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Test: GetVideoSourceConfiguration

None

Response: (VideoSourceConfiguration){ _token = "VideoSourceToken" Name = "VideoSourceConfig" UseCount = 3 SourceToken = "VideoSource_1" Bounds = (IntRectangle){ _y = 0 _x = 0 _height = 1080 _width = 1920 } Extension[] = (Extension){ Rotate[] = (Rotate){ Mode[] = "OFF", }, }, }

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Test: GetVideoEncoderConfigurations

None

Response: [(VideoEncoderConfiguration){ _token = "VideoEncoderToken_1" Name = "VideoEncoder_1" UseCount = 1 Encoding = "H264" Resolution = (VideoResolution){ Width = 1920 Height = 1080 } Quality = 3.0 RateControl = (VideoRateControl){ FrameRateLimit = 25 EncodingInterval = 1 BitrateLimit = 2048 } H264 = (H264Configuration){ GovLength = 50 H264Profile = "High" } Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8860 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" }, (VideoEncoderConfiguration){ _token = "VideoEncoderToken_2" Name = "VideoEncoder_2" UseCount = 1 Encoding = "H264" Resolution = (VideoResolution){ Width = 704 Height = 576 } Quality = 3.0 RateControl = (VideoRateControl){ FrameRateLimit = 25 EncodingInterval = 1 BitrateLimit = 1024 } H264 = (H264Configuration){ GovLength = 50 H264Profile = "Main" } Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8866 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" }, (VideoEncoderConfiguration){ _token = "VideoEncoderToken_3" Name = "VideoEncoder_3" UseCount = 1 Encoding = "H264" Resolution = (VideoResolution){ Width = 704 Height = 576 } Quality = 3.0 RateControl = (VideoRateControl){ FrameRateLimit = 25 EncodingInterval = 1 BitrateLimit = 1024 } H264 = (H264Configuration){ GovLength = 50 H264Profile = "Baseline" } Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8872 TTL = 128 AutoStart

= False } SessionTimeout = "PT5S" }]

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Test: GetVideoEncoderConfigurationOptions

None

Response: (VideoEncoderConfigurationOptions){ QualityRange = (IntRange){ Min = 0 Max = 5 } H264 = (H264Options){ ResolutionsAvailable[] = (VideoResolution){ Width = 1280 Height = 720 }, (VideoResolution){ Width = 1280 Height = 960 }, (VideoResolution){ Width = 1920 Height = 1080 }, GovLengthRange = (IntRange){ Min = 1 Max = 400 } FrameRateRange = (IntRange){ Min = 1 Max = 25 } EncodingIntervalRange = (IntRange){ Min = 1 Max = 1 } H264ProfilesSupported[] = "Baseline", "Main", "High", } Extension = (VideoEncoderOptionsExtension){ H264[] = (H264){ ResolutionsAvailable[] = (ResolutionsAvailable){ Width[] = "1280", Height[] = "720", }, (ResolutionsAvailable){ Width[] = "1280", Height[] = "960", }, (ResolutionsAvailable){ Width[] = "1920", Height[] = "1080", }, GovLengthRange[] = (GovLengthRange){ Min[] = "1", Max[] = "400", }, FrameRateRange[] = (FrameRateRange){ Min[] = "1", Max[] = "25", }, EncodingIntervalRange[] = (EncodingIntervalRange){ Min[] = "1", Max[] = "1", }, H264ProfilesSupported[] = "Baseline", "Main", "High", BitrateRange[] = (BitrateRange){ Min[] = "32", Max[] = "16384", }, }, } }

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Test: GetVideoEncoderConfiguration

Type not found: 'tt:UseCount'

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Test: GetVideoAnalyticsConfigurations

None

Response: [(VideoAnalyticsConfiguration){ _token = "VideoAnalyticsToken" Name = "VideoAnalyticsName" UseCount = 3 AnalyticsEngineConfiguration = (AnalyticsEngineConfiguration){ AnalyticsModule[] = (Config){ _Type = "tt:CellMotionEngine" _Name = "MyCellMotionModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "80" }, ElementItem[] = (ElementItem){ _Name = "Layout" CellLayout = (CellLayout){ _Rows = "18" _Columns = "22" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.111111" _x = "0.090909" } } } }, } }, (Config){ _Type = "tt:LineDetectorEngine" _Name = "MyLineDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "tt:FieldDetectorEngine" _Name = "MyFieldDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "hikxsd:TamperEngine" _Name = "MyTamperDetecModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "0" }, ElementItem[] = (ElementItem){ _Name = "Transformation" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.003472" _x = "0.002841" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "576" _x = "0" }, (Point){ _y = "576" _x = "704" }, (Point){ _y = "0" _x = "704" }, } } }, } }, } RuleEngineConfiguration = (RuleEngineConfiguration){ Rule[] = (Config){ _Type = "tt:CellMotionDetector" _Name = "MyMotionDetectorRule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "MinCount" _Value = "5" }, (SimpleItem){ _Name = "AlarmOnDelay" _Value = "1000" }, (SimpleItem){ _Name = "AlarmOffDelay" _Value = "1000" }, (SimpleItem){ _Name = "ActiveCells" _Value = "0P8A8A==" }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector1" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector2" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector3" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name =

"MyLineDetector4" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector1" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector2" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector3" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector4" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "hikxsd:TamperDetector" _Name = "MyTamperDetectorRule" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, } } }, } }, } }]

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Test: GetVideoAnalyticsConfiguration

None

Response: (VideoAnalyticsConfiguration){ _token = "VideoAnalyticsToken" Name = "VideoAnalyticsName" UseCount = 3 AnalyticsEngineConfiguration = (AnalyticsEngineConfiguration){ AnalyticsModule[] = (Config){ _Type = "tt:CellMotionEngine" _Name = "MyCellMotionModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "80" }, ElementItem[] = (ElementItem){ _Name = "Layout" CellLayout = (CellLayout){ _Rows = "18" _Columns = "22" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.111111" _x = "0.090909" } } } }, } }, (Config){ _Type = "tt:LineDetectorEngine" _Name = "MyLineDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "tt:FieldDetectorEngine" _Name = "MyFieldDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "hikxsd:TamperEngine" _Name = "MyTamperDetecModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "0" }, ElementItem[] = (ElementItem){ _Name = "Transformation" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.003472" _x = "0.002841" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "576" _x = "0" }, (Point){ _y = "576" _x = "704" }, (Point){ _y = "0" _x = "704" }, } } }, } }, } RuleEngineConfiguration = (RuleEngineConfiguration){ Rule[] = (Config){ _Type = "tt:CellMotionDetector" _Name = "MyMotionDetectorRule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "MinCount" _Value = "5" }, (SimpleItem){ _Name = "AlarmOnDelay" _Value = "1000" }, (SimpleItem){ _Name = "AlarmOffDelay" _Value = "1000" }, (SimpleItem){ _Name = "ActiveCells" _Value = "0P8A8A==" }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector1" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector2" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector3" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector4" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector1" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name =

"MyFieldDetector2" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector3" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector4" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "hikxsd:TamperDetector" _Name = "MyTamperDetectorRule" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, } } }, } }, } }

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Test: GetStreamUri

None

Response: (MediaUri){ Uri = "rtsp://192.168.15.42:554/Streaming/Channels/101?transportmode=mcast&profile;=Profile_1" InvalidAfterConnect = False InvalidAfterReboot = False Timeout = "PT60S" }

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Test: GetSnapshotUri

None

Response: (MediaUri){ Uri = "http://192.168.15.42/onvif-http/snapshot?Profile_1" InvalidAfterConnect = False InvalidAfterReboot = False Timeout = "PT0S" }

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Test: GetServiceCapabilities

None

Response: (Capabilities){ _VideoSourceMode = True _SnapshotUri = True _Rotation = False _OSD = True ProfileCapabilities = (ProfileCapabilities){ _MaximumNumberOfProfiles = 10 } StreamingCapabilities = (StreamingCapabilities){ _RTPMulticast = True _RTP_TCP = True _RTP_RTSP_TCP = True _NonAggregateControl = False } }

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Test: GetProfiles

None

Response: [(Profile){ _token = "Profile_1" _fixed = True Name = "mainStream" VideoSourceConfiguration = (VideoSourceConfiguration){ _token = "VideoSourceToken" Name = "VideoSourceConfig" UseCount = 3 SourceToken = "VideoSource_1" Bounds = (IntRectangle){ _y = 0 _x = 0 _height = 1080 _width = 1920 } Extension[] = (Extension){ Rotate[] = (Rotate){ Mode[] = "OFF", }, }, } AudioSourceConfiguration = (AudioSourceConfiguration){ _token = "AudioSourceConfigToken" Name = "AudioSourceConfig" UseCount = 4 SourceToken = "AudioSourceChannel" } VideoEncoderConfiguration = (VideoEncoderConfiguration){ _token = "VideoEncoderToken_1" Name = "VideoEncoder_1" UseCount = 1 Encoding = "H264" Resolution = (VideoResolution){ Width = 1920 Height = 1080 } Quality = 3.0 RateControl = (VideoRateControl){ FrameRateLimit = 25 EncodingInterval = 1 BitrateLimit = 2048 } H264 = (H264Configuration){ GovLength = 50 H264Profile = "High" } Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8860 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" } AudioEncoderConfiguration = (AudioEncoderConfiguration){ _token = "MainAudioEncoderToken" Name = "AudioEncoderConfig" UseCount = 3 Encoding = "AAC" Bitrate = 64 SampleRate = 48 Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8862 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" } VideoAnalyticsConfiguration = (VideoAnalyticsConfiguration){ _token = "VideoAnalyticsToken" Name = "VideoAnalyticsName" UseCount = 3 AnalyticsEngineConfiguration = (AnalyticsEngineConfiguration){ AnalyticsModule[] = (Config){ _Type = "tt:CellMotionEngine" _Name = "MyCellMotionModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "80" }, ElementItem[] = (ElementItem){ _Name = "Layout"

CellLayout = (CellLayout){ _Rows = "18" _Columns = "22" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.111111" _x = "0.090909" } } } }, } }, (Config){ _Type = "tt:LineDetectorEngine" _Name = "MyLineDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "tt:FieldDetectorEngine" _Name = "MyFieldDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "hikxsd:TamperEngine" _Name = "MyTamperDetecModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "0" }, ElementItem[] = (ElementItem){ _Name = "Transformation" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.003472" _x = "0.002841" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "576" _x = "0" }, (Point){ _y = "576" _x = "704" }, (Point){ _y = "0" _x = "704" }, } } }, } }, } RuleEngineConfiguration = (RuleEngineConfiguration){ Rule[] = (Config){ _Type = "tt:CellMotionDetector" _Name = "MyMotionDetectorRule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "MinCount" _Value = "5" }, (SimpleItem){ _Name = "AlarmOnDelay" _Value = "1000" }, (SimpleItem){ _Name = "AlarmOffDelay" _Value = "1000" }, (SimpleItem){ _Name = "ActiveCells" _Value = "0P8A8A==" }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector1" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector2" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector3" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector4" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector1" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = 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"http://www.onvif.org/ver10/tptz/PanTiltSpaces/TranslationGenericSpace" DefaultRelativeZoomTranslationSpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/TranslationGenericSpace" DefaultContinuousPanTiltVelocitySpace = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/VelocityGenericSpace" DefaultContinuousZoomVelocitySpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/VelocityGenericSpace" DefaultPTZSpeed = (PTZSpeed){ PanTilt = (Vector2D){ _y = 0.1 _x = 0.1 _space = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/GenericSpeedSpace" } Zoom = (Vector1D){ _x = 1.0 _space = "http://www.onvif.org/ver10/tptz/ZoomSpaces/ZoomGenericSpeedSpace" } } DefaultPTZTimeout = "PT300S" PanTiltLimits = (PanTiltLimits){ Range = (Space2DDescription){ URI = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/PositionGenericSpace" XRange = (FloatRange){ Min = -1.0 Max = 1.0 } YRange = (FloatRange){ Min = -1.0 Max = 1.0 } } } ZoomLimits = (ZoomLimits){ Range = (Space1DDescription){ URI = "http://www.onvif.org/ver10/tptz/ZoomSpaces/PositionGenericSpace" XRange = (FloatRange){ Min = 0.0 Max = 1.0 } } } } Extension = (ProfileExtension){ AudioOutputConfiguration[] = (AudioOutputConfiguration){ _token = "AudioOutputConfigToken" Name[] = "AudioOutputConfigName", UseCount[] = "3", OutputToken[] = "AudioOutputToken", SendPrimacy[] = "www.onvif.org/ver20/HalfDuplex/Server", OutputLevel[] = "10", }, AudioDecoderConfiguration[] = (AudioDecoderConfiguration){ _token = "AudioDecoderConfigToken" Name[] = "AudioDecoderConfig", UseCount[] = "3", },

} }, (Profile){ _token = "Profile_2" _fixed = True Name = "subStream" VideoSourceConfiguration = (VideoSourceConfiguration){ _token = "VideoSourceToken" Name = "VideoSourceConfig" UseCount = 3 SourceToken = "VideoSource_1" Bounds = (IntRectangle){ _y = 0 _x = 0 _height = 1080 _width = 1920 } Extension[] = (Extension){ Rotate[] = (Rotate){ Mode[] = "OFF", }, }, } AudioSourceConfiguration = (AudioSourceConfiguration){ _token = "AudioSourceConfigToken" Name = "AudioSourceConfig" UseCount = 4 SourceToken = "AudioSourceChannel" } VideoEncoderConfiguration = (VideoEncoderConfiguration){ _token = "VideoEncoderToken_2" Name = "VideoEncoder_2" UseCount = 1 Encoding = "H264" Resolution = (VideoResolution){ Width = 704 Height = 576 } Quality = 3.0 RateControl = (VideoRateControl){ FrameRateLimit = 25 EncodingInterval = 1 BitrateLimit = 1024 } H264 = (H264Configuration){ GovLength = 50 H264Profile = "Main" } Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8866 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" } AudioEncoderConfiguration = (AudioEncoderConfiguration){ _token = "MainAudioEncoderToken" Name = "AudioEncoderConfig" UseCount = 3 Encoding = "AAC" Bitrate = 64 SampleRate = 48 Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8862 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" } VideoAnalyticsConfiguration = (VideoAnalyticsConfiguration){ _token = "VideoAnalyticsToken" Name = "VideoAnalyticsName" UseCount = 3 AnalyticsEngineConfiguration = (AnalyticsEngineConfiguration){ AnalyticsModule[] = (Config){ _Type = "tt:CellMotionEngine" _Name = "MyCellMotionModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "80" }, ElementItem[] = (ElementItem){ _Name = "Layout" CellLayout = (CellLayout){ _Rows = "18" _Columns = "22" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.111111" _x = "0.090909" } } } }, } }, (Config){ _Type = "tt:LineDetectorEngine" _Name = "MyLineDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "tt:FieldDetectorEngine" _Name = "MyFieldDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "hikxsd:TamperEngine" _Name = "MyTamperDetecModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "0" }, ElementItem[] = (ElementItem){ _Name = "Transformation" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.003472" _x = "0.002841" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "576" _x = "0" }, (Point){ _y = "576" _x = "704" }, (Point){ _y = "0" _x = "704" }, } } }, } }, } RuleEngineConfiguration = (RuleEngineConfiguration){ Rule[] = (Config){ _Type = "tt:CellMotionDetector" _Name = "MyMotionDetectorRule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "MinCount" _Value = "5" }, (SimpleItem){ _Name = "AlarmOnDelay" _Value = "1000" }, (SimpleItem){ _Name = "AlarmOffDelay" _Value = "1000" }, (SimpleItem){ _Name = "ActiveCells" _Value = "0P8A8A==" }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector1" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector2" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector3" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector4" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector1" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector2" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector3" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector4" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "hikxsd:TamperDetector" _Name = "MyTamperDetectorRule" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, } } }, } }, } PTZConfiguration = (PTZConfiguration){ _token = "PTZToken" Name =

"PTZ" UseCount = 4 NodeToken = "PTZNODETOKEN" DefaultAbsolutePantTiltPositionSpace = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/PositionGenericSpace" DefaultAbsoluteZoomPositionSpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/PositionGenericSpace" DefaultRelativePanTiltTranslationSpace = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/TranslationGenericSpace" DefaultRelativeZoomTranslationSpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/TranslationGenericSpace" DefaultContinuousPanTiltVelocitySpace = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/VelocityGenericSpace" DefaultContinuousZoomVelocitySpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/VelocityGenericSpace" DefaultPTZSpeed = (PTZSpeed){ PanTilt = (Vector2D){ _y = 0.1 _x = 0.1 _space = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/GenericSpeedSpace" } Zoom = (Vector1D){ _x = 1.0 _space = "http://www.onvif.org/ver10/tptz/ZoomSpaces/ZoomGenericSpeedSpace" } } DefaultPTZTimeout = "PT300S" PanTiltLimits = (PanTiltLimits){ Range = (Space2DDescription){ URI = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/PositionGenericSpace" XRange = (FloatRange){ Min = -1.0 Max = 1.0 } YRange = (FloatRange){ Min = -1.0 Max = 1.0 } } } ZoomLimits = (ZoomLimits){ Range = (Space1DDescription){ URI = "http://www.onvif.org/ver10/tptz/ZoomSpaces/PositionGenericSpace" XRange = (FloatRange){ Min = 0.0 Max = 1.0 } } } } Extension = (ProfileExtension){ AudioOutputConfiguration[] = (AudioOutputConfiguration){ _token = "AudioOutputConfigToken" Name[] = "AudioOutputConfigName", UseCount[] = "3", OutputToken[] = "AudioOutputToken", SendPrimacy[] = "www.onvif.org/ver20/HalfDuplex/Server", OutputLevel[] = "10", }, AudioDecoderConfiguration[] = (AudioDecoderConfiguration){ _token = "AudioDecoderConfigToken" Name[] = "AudioDecoderConfig", UseCount[] = "3", }, } }, (Profile){ _token = "Profile_3" _fixed = True Name = "thirdStream" VideoSourceConfiguration = (VideoSourceConfiguration){ _token = "VideoSourceToken" Name = "VideoSourceConfig" UseCount = 3 SourceToken = "VideoSource_1" Bounds = (IntRectangle){ _y = 0 _x = 0 _height = 1080 _width = 1920 } Extension[] = (Extension){ Rotate[] = (Rotate){ Mode[] = "OFF", }, }, } AudioSourceConfiguration = (AudioSourceConfiguration){ _token = "AudioSourceConfigToken" Name = "AudioSourceConfig" UseCount = 4 SourceToken = "AudioSourceChannel" } VideoEncoderConfiguration = (VideoEncoderConfiguration){ _token = "VideoEncoderToken_3" Name = "VideoEncoder_3" UseCount = 1 Encoding = "H264" Resolution = (VideoResolution){ Width = 704 Height = 576 } Quality = 3.0 RateControl = (VideoRateControl){ FrameRateLimit = 25 EncodingInterval = 1 BitrateLimit = 1024 } H264 = (H264Configuration){ GovLength = 50 H264Profile = "Baseline" } Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8872 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" } AudioEncoderConfiguration = (AudioEncoderConfiguration){ _token = "MainAudioEncoderToken" Name = "AudioEncoderConfig" UseCount = 3 Encoding = "AAC" Bitrate = 64 SampleRate = 48 Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8862 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" } VideoAnalyticsConfiguration = (VideoAnalyticsConfiguration){ _token = "VideoAnalyticsToken" Name = "VideoAnalyticsName" UseCount = 3 AnalyticsEngineConfiguration = (AnalyticsEngineConfiguration){ AnalyticsModule[] = (Config){ _Type = "tt:CellMotionEngine" _Name = "MyCellMotionModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "80" }, ElementItem[] = (ElementItem){ _Name = "Layout" CellLayout = (CellLayout){ _Rows = "18" _Columns = "22" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.111111" _x = "0.090909" } } } }, } }, (Config){ _Type = "tt:LineDetectorEngine" _Name = "MyLineDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "tt:FieldDetectorEngine" _Name = "MyFieldDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "hikxsd:TamperEngine" _Name = "MyTamperDetecModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "0" }, ElementItem[] = (ElementItem){ _Name = "Transformation" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.003472" _x = "0.002841" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "576" _x = "0" }, (Point){ _y = "576" _x = "704" }, (Point){ _y = "0" _x = "704" }, } } }, } }, } RuleEngineConfiguration = (RuleEngineConfiguration){ Rule[] = (Config){ _Type = "tt:CellMotionDetector" _Name = "MyMotionDetectorRule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "MinCount" _Value = "5" }, (SimpleItem){ _Name = "AlarmOnDelay" _Value = "1000" }, (SimpleItem){ _Name = "AlarmOffDelay" _Value = "1000" }, (SimpleItem){ _Name = "ActiveCells" _Value = "0P8A8A==" }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector1" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector2" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector3" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector4" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" },

ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector1" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector2" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector3" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector4" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "hikxsd:TamperDetector" _Name = "MyTamperDetectorRule" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, } } }, } }, } } PTZConfiguration = (PTZConfiguration){ _token = "PTZToken" Name = "PTZ" UseCount = 4 NodeToken = "PTZNODETOKEN" DefaultAbsolutePantTiltPositionSpace = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/PositionGenericSpace" DefaultAbsoluteZoomPositionSpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/PositionGenericSpace" DefaultRelativePanTiltTranslationSpace = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/TranslationGenericSpace" DefaultRelativeZoomTranslationSpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/TranslationGenericSpace" DefaultContinuousPanTiltVelocitySpace = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/VelocityGenericSpace" DefaultContinuousZoomVelocitySpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/VelocityGenericSpace" DefaultPTZSpeed = (PTZSpeed){ PanTilt = (Vector2D){ _y = 0.1 _x = 0.1 _space = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/GenericSpeedSpace" } Zoom = (Vector1D){ _x = 1.0 _space = "http://www.onvif.org/ver10/tptz/ZoomSpaces/ZoomGenericSpeedSpace" } } DefaultPTZTimeout = "PT300S" PanTiltLimits = (PanTiltLimits){ Range = (Space2DDescription){ URI = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/PositionGenericSpace" XRange = (FloatRange){ Min = -1.0 Max = 1.0 } YRange = (FloatRange){ Min = -1.0 Max = 1.0 } } } ZoomLimits = (ZoomLimits){ Range = (Space1DDescription){ URI = "http://www.onvif.org/ver10/tptz/ZoomSpaces/PositionGenericSpace" XRange = (FloatRange){ Min = 0.0 Max = 1.0 } } } } Extension = (ProfileExtension){ AudioOutputConfiguration[] = (AudioOutputConfiguration){ _token = "AudioOutputConfigToken" Name[] = "AudioOutputConfigName", UseCount[] = "3", OutputToken[] = "AudioOutputToken", SendPrimacy[] = "www.onvif.org/ver20/HalfDuplex/Server", OutputLevel[] = "10", }, AudioDecoderConfiguration[] = (AudioDecoderConfiguration){ _token = "AudioDecoderConfigToken" Name[] = "AudioDecoderConfig", UseCount[] = "3", }, } }, (Profile){ _token = "Profile_1889552565" _fixed = False Name = "Test" Extension = "" }, (Profile){ _token = "Profile_1185322788" _fixed = False Name = "Test" Extension = "" }, (Profile){ _token = "Profile_88437152" _fixed = False Name = "Test" Extension = "" }, (Profile){ _token = "Profile_1305522187" _fixed = False Name = "Test" Extension = "" }, (Profile){ _token = "Profile_2055298597" _fixed = False Name = "Test" Extension = "" }, (Profile){ _token = "Profile_1805482607" _fixed = False Name = "Test" AudioSourceConfiguration = (AudioSourceConfiguration){ _token = "AudioSourceConfigToken" Name = "AudioSourceConfig" UseCount = 4 SourceToken = "AudioSourceChannel" } PTZConfiguration = (PTZConfiguration){ _token = "PTZToken" Name = "PTZ" UseCount = 4 NodeToken = "PTZNODETOKEN" DefaultAbsolutePantTiltPositionSpace = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/PositionGenericSpace" DefaultAbsoluteZoomPositionSpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/PositionGenericSpace" DefaultRelativePanTiltTranslationSpace = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/TranslationGenericSpace" DefaultRelativeZoomTranslationSpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/TranslationGenericSpace" DefaultContinuousPanTiltVelocitySpace = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/VelocityGenericSpace" DefaultContinuousZoomVelocitySpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/VelocityGenericSpace" DefaultPTZSpeed = (PTZSpeed){ PanTilt = (Vector2D){ _y = 0.1 _x = 0.1 _space = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/GenericSpeedSpace" } Zoom = (Vector1D){ _x = 1.0 _space = "http://www.onvif.org/ver10/tptz/ZoomSpaces/ZoomGenericSpeedSpace" } } DefaultPTZTimeout = "PT300S" PanTiltLimits = (PanTiltLimits){ Range = (Space2DDescription){ URI = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/PositionGenericSpace" XRange = (FloatRange){ Min = -1.0 Max = 1.0 } YRange = (FloatRange){ Min = -1.0 Max = 1.0 } } } ZoomLimits = (ZoomLimits){ Range = (Space1DDescription){ URI = "http://www.onvif.org/ver10/tptz/ZoomSpaces/PositionGenericSpace" XRange = (FloatRange){ Min = 0.0 Max = 1.0 } } } } MetadataConfiguration = (MetadataConfiguration){ _token = "MetaDataToken" Name = "metaData" UseCount = 1 PTZStatus = (PTZFilter){ Status = False Position = False } Analytics = False Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8864 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" AnalyticsEngineConfiguration[] = "", } Extension = "" }, (Profile){ _token = "Profile_1828469446" _fixed = False Name = "Test" Extension = "" }]

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Test: GetProfile

None

Response: (Profile){ _token = "Profile_1" _fixed = True Name = "mainStream" VideoSourceConfiguration = (VideoSourceConfiguration){ _token = "VideoSourceToken" Name = "VideoSourceConfig" UseCount = 3 SourceToken = "VideoSource_1" Bounds = (IntRectangle){ _y = 0 _x = 0 _height = 1080 _width = 1920 } Extension[] = (Extension){ Rotate[] = (Rotate){ Mode[] = "OFF", }, }, } AudioSourceConfiguration = (AudioSourceConfiguration){ _token = "AudioSourceConfigToken" Name = "AudioSourceConfig" UseCount = 4 SourceToken = "AudioSourceChannel" } VideoEncoderConfiguration = (VideoEncoderConfiguration){ _token = "VideoEncoderToken_1" Name = "VideoEncoder_1" UseCount = 1 Encoding = "H264" Resolution = (VideoResolution){ Width = 1920 Height = 1080 } Quality = 3.0 RateControl = (VideoRateControl){ FrameRateLimit = 25 EncodingInterval = 1 BitrateLimit = 2048 } H264 = (H264Configuration){ GovLength = 50 H264Profile = "High" } Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8860 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" } AudioEncoderConfiguration = (AudioEncoderConfiguration){ _token = "MainAudioEncoderToken" Name = "AudioEncoderConfig" UseCount = 3 Encoding = "AAC" Bitrate = 64 SampleRate = 48 Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8862 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" } VideoAnalyticsConfiguration = (VideoAnalyticsConfiguration){ _token = "VideoAnalyticsToken" Name = "VideoAnalyticsName" UseCount = 3 AnalyticsEngineConfiguration = (AnalyticsEngineConfiguration){ AnalyticsModule[] = (Config){ _Type = "tt:CellMotionEngine" _Name = "MyCellMotionModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "80" }, ElementItem[] = (ElementItem){ _Name = "Layout" CellLayout = (CellLayout){ _Rows = "18" _Columns = "22" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.111111" _x = "0.090909" } } } }, } }, (Config){ _Type = "tt:LineDetectorEngine" _Name = "MyLineDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "tt:FieldDetectorEngine" _Name = "MyFieldDetectorModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "50" }, ElementItem[] = (ElementItem){ _Name = "Layout" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.002000" _x = "0.002000" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "1000" _x = "0" }, (Point){ _y = "1000" _x = "1000" }, (Point){ _y = "0" _x = "1000" }, } } }, } }, (Config){ _Type = "hikxsd:TamperEngine" _Name = "MyTamperDetecModule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Sensitivity" _Value = "0" }, ElementItem[] = (ElementItem){ _Name = "Transformation" Transformation = (Transformation){ Translate = (Translate){ _y = "-1.000000" _x = "-1.000000" } Scale = (Scale){ _y = "0.003472" _x = "0.002841" } } }, (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "576" _x = "0" }, (Point){ _y = "576" _x = "704" }, (Point){ _y = "0" _x = "704" }, } } }, } }, } RuleEngineConfiguration = (RuleEngineConfiguration){ Rule[] = (Config){ _Type = "tt:CellMotionDetector" _Name = "MyMotionDetectorRule" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "MinCount" _Value = "5" }, (SimpleItem){ _Name = "AlarmOnDelay" _Value = "1000" }, (SimpleItem){ _Name = "AlarmOffDelay" _Value = "1000" }, (SimpleItem){ _Name = "ActiveCells" _Value = "0P8A8A==" }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector1" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector2" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector3" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:LineDetector" _Name = "MyLineDetector4" Parameters = (ItemList){ SimpleItem[] = (SimpleItem){ _Name = "Direction" _Value = "Any" }, ElementItem[] = (ElementItem){ _Name = "Segments" Polyline = (Polyline){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector1" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector2" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector3" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "tt:FieldDetector" _Name = "MyFieldDetector4" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" Polygon = (Polygon){ Point[] = (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, (Point){ _y = "0.000000" _x = "0.000000" }, } }, } }, (Config){ _Type = "hikxsd:TamperDetector" _Name = "MyTamperDetectorRule" Parameters = (ItemList){ ElementItem[] = (ElementItem){ _Name = "Field" PolygonConfiguration = (PolygonConfiguration){ Polygon = (Polygon){ Point[] = (Point){ _y = "0" _x = "0" }, (Point){ _y = "0" _x = "0" }, (Point){ _y =

"0" _x = "0" }, (Point){ _y = "0" _x = "0" }, } } }, } }, } } PTZConfiguration = (PTZConfiguration){ _token = "PTZToken" Name = "PTZ" UseCount = 4 NodeToken = "PTZNODETOKEN" DefaultAbsolutePantTiltPositionSpace = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/PositionGenericSpace" DefaultAbsoluteZoomPositionSpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/PositionGenericSpace" DefaultRelativePanTiltTranslationSpace = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/TranslationGenericSpace" DefaultRelativeZoomTranslationSpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/TranslationGenericSpace" DefaultContinuousPanTiltVelocitySpace = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/VelocityGenericSpace" DefaultContinuousZoomVelocitySpace = "http://www.onvif.org/ver10/tptz/ZoomSpaces/VelocityGenericSpace" DefaultPTZSpeed = (PTZSpeed){ PanTilt = (Vector2D){ _y = 0.1 _x = 0.1 _space = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/GenericSpeedSpace" } Zoom = (Vector1D){ _x = 1.0 _space = "http://www.onvif.org/ver10/tptz/ZoomSpaces/ZoomGenericSpeedSpace" } } DefaultPTZTimeout = "PT300S" PanTiltLimits = (PanTiltLimits){ Range = (Space2DDescription){ URI = "http://www.onvif.org/ver10/tptz/PanTiltSpaces/PositionGenericSpace" XRange = (FloatRange){ Min = -1.0 Max = 1.0 } YRange = (FloatRange){ Min = -1.0 Max = 1.0 } } } ZoomLimits = (ZoomLimits){ Range = (Space1DDescription){ URI = "http://www.onvif.org/ver10/tptz/ZoomSpaces/PositionGenericSpace" XRange = (FloatRange){ Min = 0.0 Max = 1.0 } } } } Extension = (ProfileExtension){ AudioOutputConfiguration[] = (AudioOutputConfiguration){ _token = "AudioOutputConfigToken" Name[] = "AudioOutputConfigName", UseCount[] = "3", OutputToken[] = "AudioOutputToken", SendPrimacy[] = "www.onvif.org/ver20/HalfDuplex/Server", OutputLevel[] = "10", }, AudioDecoderConfiguration[] = (AudioDecoderConfiguration){ _token = "AudioDecoderConfigToken" Name[] = "AudioDecoderConfig", UseCount[] = "3", }, } }

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Test: GetOSDs

None

Response: [(OSDConfiguration){ _token = "OsdToken_101" VideoSourceConfigurationToken = "VideoSourceToken" Type = "Text" Position = (OSDPosConfiguration){ Type = "Custom" Pos = (Vector){ _y = 0.944444 _x = -1.0 } } TextString = (OSDTextConfiguration){ Type = "DateAndTime" DateFormat = "MM/dd/yyyy" TimeFormat = "HH:mm:ss" FontSize = 32 FontColor = (OSDColor){ Color = (Color){ _Y = 128.0 _X = 16.0 _Z = 128.0 _Colorspace = "http://www.onvif.org/ver10/colorspace/YCbCr" } } Extension = (OSDTextConfigurationExtension){ ChannelName[] = "false", } } }, (OSDConfiguration){ _token = "OsdToken_100" VideoSourceConfigurationToken = "VideoSourceToken" Type = "Text" Position = (OSDPosConfiguration){ Type = "Custom" Pos = (Vector){ _y = -0.666667 _x = 0.454545 } } TextString = (OSDTextConfiguration){ Type = "Plain" FontSize = 32 FontColor = (OSDColor){ Color = (Color){ _Y = 128.0 _X = 16.0 _Z = 128.0 _Colorspace = "http://www.onvif.org/ver10/colorspace/YCbCr" } } PlainText = "IPdome" Extension = (OSDTextConfigurationExtension){ ChannelName[] = "true", } } }]

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Test: GetOSDOptions

None

Response: (reply){ OSDOptions = (OSDConfigurationOptions){ MaximumNumberOfOSDs = (MaximumNumberOfOSDs){ _DateAndTime = 1 _PlainText = 5 _Image = 4 _Time = 1 _Date = 1 _Total = 10 } Type[] = "Text", PositionOption[] = "UpperLeft", "LowerLeft", "Custom", TextOption = (OSDTextOptions){ Type[] = "Plain", "Date", "Time", "DateAndTime", FontSizeRange = (IntRange){ Min = 16 Max = 64 } DateFormat[] = "MM/dd/yyyy", "dd/MM/yyyy", "yyyy/MM/dd", "yyyy-MM-dd", TimeFormat[] = "hh:mm:ss tt", "HH:mm:ss", FontColor = (OSDColorOptions){ Color = (ColorOptions){ ColorspaceRange[] = (ColorspaceRange){ X = (FloatRange){ Min = 0.0 Max = 255.0 } Y = (FloatRange){ Min = 0.0 Max = 255.0 } Z = (FloatRange){ Min = 0.0 Max = 255.0 } Colorspace = "http://www.onvif.org/ver10/colorspace/YCbCr" }, } } } } }

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Test: GetOSD

None

Response: (reply){ OSD = (OSDConfiguration){ _token = "OsdToken_101" VideoSourceConfigurationToken = "VideoSourceToken" Type = "Text" Position = (OSDPosConfiguration){ Type = "Custom" Pos = (Vector){ _y = 0.944444 _x = -1.0 } } TextString = (OSDTextConfiguration){ Type = "DateAndTime" DateFormat = "MM/dd/yyyy" TimeFormat = "HH:mm:ss" FontSize = 32 FontColor = (OSDColor){ Color = (Color){ _Y = 128.0 _X = 16.0 _Z = 128.0 _Colorspace = "http://www.onvif.org/ver10/colorspace/YCbCr" } } Extension = (OSDTextConfigurationExtension){ ChannelName[] = "false", } } } }

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Test: GetMetadataConfigurations

None

Response: [(MetadataConfiguration){ _token = "MetaDataToken" Name = "metaData" UseCount = 1 PTZStatus = (PTZFilter){ Status = False Position = False } Analytics = False Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8864 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" AnalyticsEngineConfiguration[] = "", }]

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Test: GetMetadataConfigurationOptions

None

Response: (MetadataConfigurationOptions){ PTZStatusFilterOptions = (PTZStatusFilterOptions){ PanTiltStatusSupported = False ZoomStatusSupported = False PanTiltPositionSupported[] = "false", ZoomPositionSupported[] = "false", } }

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Test: GetMetadataConfiguration

None

Response: (MetadataConfiguration){ _token = "MetaDataToken" Name = "metaData" UseCount = 1 PTZStatus = (PTZFilter){ Status = False Position = False } Analytics = False Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8864 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" AnalyticsEngineConfiguration[] = "", }

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Test: GetGuaranteedNumberOfVideoEncoderInstances

None

Response: (reply){ TotalNumber = 3 }

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Test: GetCompatibleVideoSourceConfigurations

None

Response: [(VideoSourceConfiguration){ _token = "VideoSourceToken" Name = "VideoSourceConfig" UseCount = 3 SourceToken = "VideoSource_1" Bounds = (IntRectangle){ _y = 0 _x = 0 _height = 1080 _width = 1920 } Extension[] = (Extension){ Rotate[] = (Rotate){ Mode[] = "OFF", }, }, }]

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Test: GetCompatibleVideoEncoderConfigurations

None

Response: [(VideoEncoderConfiguration){ _token = "VideoEncoderToken_1" Name = "VideoEncoder_1" UseCount = 1 Encoding = "H264" Resolution = (VideoResolution){ Width = 1920 Height = 1080 } Quality = 3.0 RateControl = (VideoRateControl){ FrameRateLimit = 25 EncodingInterval = 1 BitrateLimit = 2048 } H264 = (H264Configuration){ GovLength = 50 H264Profile = "High" } Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8860 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" }]

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Test: GetCompatibleVideoAnalyticsConfigurations

None

Response: [(VideoAnalyticsConfiguration){ _token = "MetaDataToken" Name = "metaData" UseCount = 1 PTZStatus[] = (PTZStatus){ Status[] = "false", Position[] = "false", }, Analytics[] = "false", Multicast[] = (Multicast){ Address[] = (Address){ Type[] = "IPv4", IPv4Address[] = "0.0.0.0", }, Port[] = "8864", TTL[] = "128", AutoStart[] = "false", }, SessionTimeout[] = "PT5S", AnalyticsEngineConfiguration = "" }]

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Test: GetCompatibleMetadataConfigurations

None

Response: [(MetadataConfiguration){ _token = "MetaDataToken" Name = "metaData" UseCount = 1 PTZStatus = (PTZFilter){ Status = False Position = False } Analytics = False Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8864 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" AnalyticsEngineConfiguration[] = "", }]

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Test: GetCompatibleAudioSourceConfigurations

None

Response: [(AudioSourceConfiguration){ _token = "AudioSourceConfigToken" Name = "AudioSourceConfig" UseCount = 4 SourceToken = "AudioSourceChannel" }]

<---------->

Test: GetCompatibleAudioOutputConfigurations

None

Response: [(AudioOutputConfiguration){ _token = "AudioOutputConfigToken" Name = "AudioOutputConfigName" UseCount = 3 OutputToken = "AudioOutputToken" SendPrimacy = "www.onvif.org/ver20/HalfDuplex/Server" OutputLevel = 10 }]

<---------->

Test: GetCompatibleAudioDecoderConfigurations

None

Response: [(AudioDecoderConfiguration){ _token = "AudioDecoderConfigToken" Name = "AudioDecoderConfig" UseCount = 3 }]

<---------->

Test: GetAudioSources

None

Response: [(AudioSource){ _token = "AudioSourceChannel" Channels = 1 }]

<---------->

Test: GetAudioSourceConfigurations

None

Response: [(AudioSourceConfiguration){ _token = "AudioSourceConfigToken" Name = "AudioSourceConfig" UseCount = 4 SourceToken = "AudioSourceChannel" }]

<---------->

Test: GetAudioSourceConfigurationOptions

None

Response: (AudioSourceConfigurationOptions){ InputTokensAvailable[] = "AudioSourceChannel", }

<---------->

Test: GetAudioSourceConfiguration

None

Response: (AudioSourceConfiguration){ _token = "AudioSourceConfigToken" Name = "AudioSourceConfig" UseCount = 4 SourceToken = "AudioSourceChannel" }

<---------->

Test: GetAudioOutputs

None

Response: [(AudioOutput){ _token = "AudioOutputConfigToken" }]

<---------->

Test: GetAudioOutputConfigurations

None

Response: [(AudioOutputConfiguration){ _token = "AudioOutputConfigToken" Name = "AudioOutputConfigName" UseCount = 3 OutputToken = "AudioOutputToken" SendPrimacy = "www.onvif.org/ver20/HalfDuplex/Server" OutputLevel = 10 }]

<---------->

Test: GetAudioOutputConfigurationOptions

None

Response: (AudioOutputConfigurationOptions){ OutputTokensAvailable[] = "AudioOutputToken", SendPrimacyOptions[] = "www.onvif.org/ver20/HalfDuplex/Server", OutputLevelRange = (IntRange){ Min = 10 Max = 10 } }

<---------->

Test: GetAudioOutputConfiguration

None

Response: (AudioOutputConfiguration){ _token = "AudioOutputConfigToken" Name = "AudioOutputConfigName" UseCount = 3 OutputToken = "AudioOutputToken" SendPrimacy = "www.onvif.org/ver20/HalfDuplex/Server" OutputLevel = 10 }

<---------->

Test: GetAudioEncoderConfigurations

None

Response: [(AudioEncoderConfiguration){ _token = "MainAudioEncoderToken" Name = "AudioEncoderConfig" UseCount = 3 Encoding = "AAC" Bitrate = 64 SampleRate = 48 Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8862 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" }]

<---------->

Test: GetAudioEncoderConfigurationOptions

global name 'config' is not defined

<---------->

Test: GetAudioEncoderConfiguration

None

Response: (AudioEncoderConfiguration){ _token = "MainAudioEncoderToken" Name = "AudioEncoderConfig" UseCount = 3 Encoding = "AAC" Bitrate = 64 SampleRate = 48 Multicast = (MulticastConfiguration){ Address = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" } Port = 8862 TTL = 128 AutoStart = False } SessionTimeout = "PT5S" }

<---------->

Test: GetAudioDecoderConfigurations

None

Response: [(AudioDecoderConfiguration){ _token = "AudioDecoderConfigToken" Name = "AudioDecoderConfig" UseCount = 3 }]

<---------->

Test: GetAudioDecoderConfigurationOptions

None

Response: (AudioDecoderConfigurationOptions){ AACDecOptions = (AACDecOptions){ Bitrate = (IntList){ Items[] = 64, } SampleRateRange = (IntList){ Items[] = 48, } } G711DecOptions = (G711DecOptions){ Bitrate = (IntList){ Items[] = 64, } SampleRateRange = (IntList){ Items[] = 8, } } G726DecOptions = (G726DecOptions){ Bitrate = (IntList){ Items[] = 16, } SampleRateRange = (IntList){ Items[] = 8, } } }

<---------->

Test: GetAudioDecoderConfiguration

None

Response: (AudioDecoderConfiguration){ _token = "AudioDecoderConfigToken" Name = "AudioDecoderConfig" UseCount = 3 }

<---------->

Test: DeleteProfile

Type not found: 'tt:UseCount'

<---------->

Test: CreateProfile

The maximum number of supported profiles has been reached.

<---------->

Test: AddVideoSourceConfiguration

The maximum number of supported profiles has been reached.

<---------->

Test: AddVideoEncoderConfiguration

The maximum number of supported profiles has been reached.

<---------->

Test: AddVideoAnalyticsConfiguration

The maximum number of supported profiles has been reached.

<---------->

Test: AddPTZConfiguration

The maximum number of supported profiles has been reached.

<---------->

Test: AddMetadataConfiguration

The maximum number of supported profiles has been reached.

<---------->

Test: AddAudioSourceConfiguration

The maximum number of supported profiles has been reached.

<---------->

Test: AddAudioOutputConfiguration

The maximum number of supported profiles has been reached.

<---------->

Test: AddAudioEncoderConfiguration

The maximum number of supported profiles has been reached.

<---------->

Test: AddAudioDecoderConfiguration

The maximum number of supported profiles has been reached.

<---------->

Test: SetNetworkDefaultGateway

The DUT did not set new NetworkDefaultGateway

Response: None

<---------->

Test: SetHostname

The DUT did not SetHostname to "Onvif_test1"

Response: None

<---------->

Test: SetDiscoveryMode

Was Discoverable, Set NonDiscoverable, Left Discoverable

Response: None

<---------->

Test: RemoveScopes

Removed added Configurable Scope: onvif://www.onvif.org/remove/scope

Response: [onvif://www.onvif.org/remove/scope]

<---------->

Test: GetUsers

None

Response: [(User){ Username = "admin" UserLevel = "Administrator" }, (User){ Username = "mamutoval" UserLevel = "Administrator" }]

<---------->

Test: GetSystemUris

None

Response: (reply){ SystemLogUris = (SystemLogUriList){ SystemLog[] = (SystemLogUri){ Type = "System" Uri = None }, } SupportInfoUri = None SystemBackupUri = "http://192.168.15.42:80/onvif/device_service/GetSystemBackup" }

<---------->

Test: GetSystemDateAndTime

None

Response: (SystemDateTime){ DateTimeType = "Manual" DaylightSavings = False TimeZone = (TimeZone){ TZ = "AST-3:00:00" } UTCDateTime = (DateTime){ Time = (Time){ Hour = 22 Minute = 59 Second = 27 } Date = (Date){ Year = 2019 Month = 3 Day = 17 } } LocalDateTime = (DateTime){ Time = (Time){ Hour = 1 Minute = 59 Second = 27 } Date = (Date){ Year = 2019 Month = 3 Day = 18 } } }

<---------->

Test: GetSupportedServices

None

Response: [{u'supported': True, u'name': u'Devicemgmt'}, {u'supported': True, u'name': u'Media'}, {u'supported': True, u'name': u'Imaging'}, {u'supported': True, u'name': u'Analytics'}, {u'supported': True, u'name': u'PTZ'}, {u'supported': True, u'name': u'DeviceIO'}, {u'supported': True, u'name': u'Events'}, {u'supported': True, u'name': u'Replay'}, {u'supported': True, u'name': u'Recording'}, {u'supported': True, u'name': u'Search'}, {u'supported': True, u'name': u'Pullpoint'}, {u'supported': False, u'name': u'Receiver'}]

<---------->

Test: GetServices

The DUT did not send GetServicesResponse message

Response: []

<---------->

Test: GetScopes

None

Response: [(Scope){ ScopeDef = "Fixed" ScopeItem = "onvif://www.onvif.org/type/video_encoder" }, (Scope){ ScopeDef = "Fixed" ScopeItem = "onvif://www.onvif.org/Profile/Streaming" }, (Scope){ ScopeDef = "Fixed" ScopeItem = "onvif://www.onvif.org/Profile/G" }, (Scope){ ScopeDef = "Fixed" ScopeItem = "onvif://www.onvif.org/type/audio_encoder" }, (Scope){ ScopeDef = "Fixed" ScopeItem = "onvif://www.onvif.org/type/ptz" }, (Scope){ ScopeDef = "Fixed" ScopeItem = "onvif://www.onvif.org/hardware/DS-2DC2204IW-DE3/W" }, (Scope){ ScopeDef = "Configurable" ScopeItem = "onvif://www.onvif.org/name/HIKVISION%20DS-2DC2204IW-DE3/W" }, (Scope){ ScopeDef = "Configurable" ScopeItem = "onvif://www.onvif.org/location/city/hangzhou" }, (Scope){ ScopeDef = "Configurable" ScopeItem = "onvif://www.onvif.org/add/scope" }]

<---------->

Test: GetNetworkProtocols

None

Response: [(NetworkProtocol){ Name = "HTTP" Enabled = True Port[] = 80, }, (NetworkProtocol){ Name = "HTTPS" Enabled = False Port[] = 443, }, (NetworkProtocol){ Name = "RTSP" Enabled = True Port[] = 554, }]

<---------->

Test: GetNetworkInterfaces

None

Response: [(NetworkInterface){ _token = "eth0" Enabled = True Info = (NetworkInterfaceInfo){ Name = "eth0" HwAddress = "bc:ad:28:dd:df:0c" MTU = 1500 } Link = (NetworkInterfaceLink){ AdminSettings = (NetworkInterfaceConnectionSetting){ AutoNegotiation = True Speed = 100 Duplex = "Full" } OperSettings = (NetworkInterfaceConnectionSetting){ AutoNegotiation = True Speed = 100 Duplex = "Full" } InterfaceType = "0" } IPv4 = (IPv4NetworkInterface){ Enabled = True Config = (IPv4Configuration){ FromDHCP = (PrefixedIPv4Address){ Address = "192.168.15.42" PrefixLength = 24 } DHCP = True } } IPv6 = (IPv6NetworkInterface){ Enabled = True Config = (IPv6Configuration){ AcceptRouterAdvert = False DHCP = "Off" LinkLocal[] = (PrefixedIPv6Address){ Address = "fe80::bead:28ff:fedd:df0c" PrefixLength = 64 }, FromDHCP[] = (PrefixedIPv6Address){ Address = "fe80::bead:28ff:fedd:df0c" PrefixLength = 64 }, } } }, (NetworkInterface){ _token = "wlan0" Enabled = False Info = (NetworkInterfaceInfo){ Name = "wlan0" HwAddress = "44:2c:05:0d:f1:22" MTU = 1500 } IPv4 = (IPv4NetworkInterface){ Enabled = True Config = (IPv4Configuration){ FromDHCP = (PrefixedIPv4Address){ Address = "169.254.103.104" PrefixLength = 16 } DHCP = True } } }]

<---------->

Test: GetNetworkDefaultGateway

None

Response: (NetworkGateway){ IPv4Address[] = "0.0.0.0", IPv6Address[] = "::", }

<---------->

Test: GetNTP

None

Response: (NTPInformation){ FromDHCP = False NTPManual[] = (NetworkHost){ Type = "DNS" DNSname = "time.windows.com" }, }

<---------->

Test: GetHostname

None

Response: (HostnameInformation){ FromDHCP = False Name = "Onviftest1" }

<---------->

Test: GetDiscoveryMode

This operation got the discovery mode of a device

Response: Discoverable

<---------->

Test: GetDeviceInformation

None

Response: (reply){ Manufacturer = "HIKVISION" Model = "DS-2DC2204IW-DE3/W" FirmwareVersion = "V5.4.0 build 160613" SerialNumber = "DS-2DC2204IW-DE3/W20160726CCCH629386524" HardwareId = "88" }

<---------->

Test: GetDNS

None

Response: (DNSInformation){ FromDHCP = True DNSFromDHCP[] = (IPAddress){ Type = "IPv4" IPv4Address = "0.0.0.0" }, }

<---------->

Test: GetCapabilities

None

Response: (Capabilities){ Analytics = (AnalyticsCapabilities){ XAddr = "http://192.168.15.42/onvif/Analytics" RuleSupport = True AnalyticsModuleSupport = True } Device = (DeviceCapabilities){ XAddr = "http://192.168.15.42/onvif/device_service" Network = (NetworkCapabilities){ IPFilter = True ZeroConfiguration = True IPVersion6 = True DynDNS = True Extension = (NetworkCapabilitiesExtension){ Dot11Configuration[] = "false", Extension[] = (Extension){ DHCPv6[] = "true", Dot1XConfigurations[] = "0", }, } } System = (SystemCapabilities){ DiscoveryResolve = False DiscoveryBye = True RemoteDiscovery = True SystemBackup = True SystemLogging = True FirmwareUpgrade = True SupportedVersions[] = (OnvifVersion){ Major = 2 Minor = 60 }, (OnvifVersion){ Major = 2 Minor = 40 }, (OnvifVersion){ Major = 2 Minor = 20 }, (OnvifVersion){ Major = 2 Minor = 10 }, (OnvifVersion){ Major = 2 Minor = 0 }, Extension = (SystemCapabilitiesExtension){ HttpFirmwareUpgrade[] = "true", HttpSystemBackup[] = "true", HttpSystemLogging[] = "false", HttpSupportInformation[] = "false", } } IO = (IOCapabilities){ InputConnectors = 1 RelayOutputs = 1 Extension = (IOCapabilitiesExtension){ Auxiliary[] = "false", AuxiliaryCommands[] = "nothing", Extension[] = "", } } Security = (SecurityCapabilities){ TLS1.1 = False TLS1.2 = False OnboardKeyGeneration = False AccessPolicyConfig = False X.509Token = False SAMLToken = False KerberosToken = False RELToken = False Extension[] = (Extension){ TLS1.0[] = "false", Extension[] = (Extension){ Dot1X[] = "false", SupportedEAPMethod[] = "0", RemoteUserHandling[] = "false", }, }, } } Events = (EventCapabilities){ XAddr = "http://192.168.15.42/onvif/Events" WSSubscriptionPolicySupport = True WSPullPointSupport = True WSPausableSubscriptionManagerInterfaceSupport = False } Imaging = (ImagingCapabilities){ XAddr = "http://192.168.15.42/onvif/Imaging" } Media = (MediaCapabilities){ XAddr = "http://192.168.15.42/onvif/Media" StreamingCapabilities = (RealTimeStreamingCapabilities){ RTPMulticast = True RTP_TCP = True RTP_RTSP_TCP = True } Extension[] = (Extension){ ProfileCapabilities[] = (ProfileCapabilities){ MaximumNumberOfProfiles[] = "10", }, }, } PTZ = (PTZCapabilities){ XAddr = "http://192.168.15.42/onvif/PTZ" } Extension = (CapabilitiesExtension){ hikCapabilities[] = (hikCapabilities){ XAddr[] = "http://192.168.15.42/onvif/hik_ext", IOInputSupport[] = "true", PrivacyMaskSupport[] = "true", PTZ3DZoomSupport[] = "true", PTZPatternSupport[] = "true", Language[] = "1", }, DeviceIO[] = (DeviceIO){ XAddr[] = "http://192.168.15.42/onvif/DeviceIO", VideoSources[] = "1", VideoOutputs[] = "0", AudioSources[] = "1", AudioOutputs[] = "1", RelayOutputs[] = "1", }, Recording[] = (Recording){ XAddr[] = "http://192.168.15.42/onvif/Recording", ReceiverSource[] = "false", MediaProfileSource[] = "true", DynamicRecordings[] = "false", DynamicTracks[] = "false", MaxStringLength[] = "64", }, Search[] = (Search){ XAddr[] = "http://192.168.15.42/onvif/SearchRecording", MetadataSearch[] = "false", }, Replay[] = (Replay){ XAddr[] = "http://192.168.15.42/onvif/Replay", }, } }

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Test: CreateUsers

The DUT created an user with Username: lalalal

Response: None

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Test: AddScopes

The DUT did not add new scope, onvif://www.onvif.org/add/scope

Response: None

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