Meta Data

Message Protocol

Revisions history

Rev.			Comments	Date
1.0				

Content history

1. Version 3.0

    1.1. Add BW / CW features table

    1.2. Replace “Scanner” by “VDU”

    1.3. Add Time message description

    1.4. Add Count message description

    1.5. Add Count messages Ack description

    1.6. Add RTP description

Table of Contents

This document is for R&D use only. Please contact R&D before any subscription of this document.

此文档只用于研发使用。阅读此文档前请联系研发人员。

1. MetaData Message – BW/CW　MetaData 信息-BW/CW

1.1. General 概述

Behavior Watch and Count Watch applications (VDU:Scanner or trigger) may be configured to send metadata to a specific IP address where the technology partner application resides. Messages from the VDU are transferred using XML over TCP/IP.

Behavior Watch和Count Watch应用程序（视频检测装置:扫描器或者Trigger）可以设置将metadata发送到指定IP地址。视频检测装置中的信息通过TCP/IP以XML发送。

The VDU may be configured to act as a Client over the TCP \ IP or as a Server.

视频检测装置能配置成TCP \ IP上的客户端或服务器。

Behavior Watch TCP connection is opened on port 1979.

Behavior Watch的TCP连接端口是1979.

Count Watch TCP connection is opened on port 1977.

Count Watch的TCP连接端口是1977.

The VDU application can be configured to send message events to another partner application. The different types of message that a particular VDU can send varies slightly, although the message format is identical.

视频检测装置的应用程序可以设置将事件信息发送到第三方程序。各种视频检测装置发送不同类型的信息，但信息的格式是相同的。

The VDU application can be configured to send the following messages:

视频检测装置的应用程序能设置发送如下信息：

- **Status**: Sent approximately every 5 seconds from all VDUs (message contains Header + XML).

  Status:大约每5秒从所有的视频检测设备发送（包括头文件+XML）

• **Alarm Start**: Sent when an alarm is triggered on a VDU (message contains Header + XML + binary data).

Alarm Start:当有报警触发时发送（包括头文件+XML+二进制数据）

• **Alarm Stop**: Sent when an alarm stops on a VDU (message contains Header + XML).

Alarm Stop:当有报警停止时发送（包括头文件+XML）

• **Layout Message**: Sent when there is layout to draw on processed frame

Layout Message:当有layout在进程帧中出现时

• **Count Massage:** Count Watch application only. Report Counting results.

Count Massage:只有 Count Watch应用程序适用。报告计数结果。

The VDU application can retrieve the following Massage from partner application:

视频检测装置的应用程序可以检索来自于第三方程序的如下信息：

• **Time**: clock synchronization Massage

Time:时钟同步信息

• **Ack**: Acknowledge for counting message.

Ack:确认计数信息

The following table shows the possible types of message sent by the VDUs

视频检测装置可能发送的信息类型见下表

	Status message	**Alarm Start message**	**Alarm Stop message**	**Counting message**	**Ack Massage**
Behavior VDUs 行为分析视频检测装置	Yes	Yes	Yes		
Counting VDUs 计数视频检测装置	Yes			Yes	Yes (iSense Only)

The following table shows the possible types of message sent to the VDUs

发送给视频检测装置的信息类型见下表：

	Clock

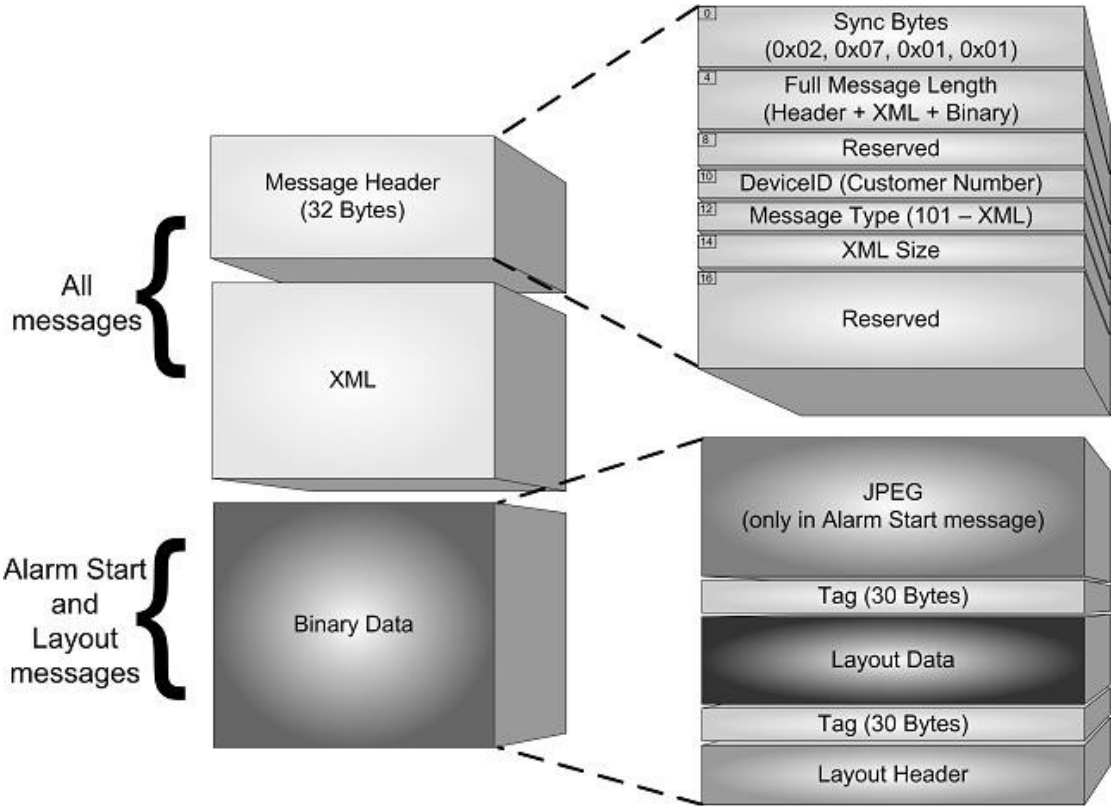
	message
Behavior VDUs **行为分析** **视频检测装置**	Yes (Trigger only)
Counting VDUs **计数视频检测装置**	Yes (iSense Only)

2. Massage Structure

信息结构图

- Messages structured as follows:

信息结构图如下：



2.1. Header 头文件

The Header is present in all message types, taking up the first 32 bytes of the total message, and giving information on the message itself as follows:
所有类型的信息都包含头文件，它包含在该信息的前32字节里。它提供的信息包括如下：

START POSITION (BYTE NO.)开始位置（字节顺序）	LENGTH (BYTES) 长度（字节）	DESCRIPTION 描述
0	4	Sync Bytes (0x02, 0x07, 0x01 and 0x01)
4	4	Full Message Length (header size + XML size + binary data size) 整个信息长度包括头文件大小+XML大小+二进制数据大小
8	2	Reserved 保留字符
10	2	Device Id (Customer Number) 设备ID(客户编号)
12	2	Message Type (set to 101 – XML message)信息类型（设在101-XML信息）
14	2	XML size XML 大小
16	16	Reserved 保留字符

2.2. XML

XML data is present in all message types.
所有信息类型都包括XML数据。

• The total size in bytes of the XML data is given in bytes 14 and 15 of the Header.
XML数据的大小在头文件的14、15字节。

• XML data starts at byte number 32 of the message.

XML数据从32字节开始。

2.3. Binary Data 二进制数据

Binary data is only appended to an Alarm Start:
二进制数据只附在Alarm Start信息：

• The binary data for the Alarm Start message contains a snapshot image of the event that triggered the alarm plus the overlay layout related to that image.
Alarm Start信息里的二进制数据包含一张带overlay报警事件截图。

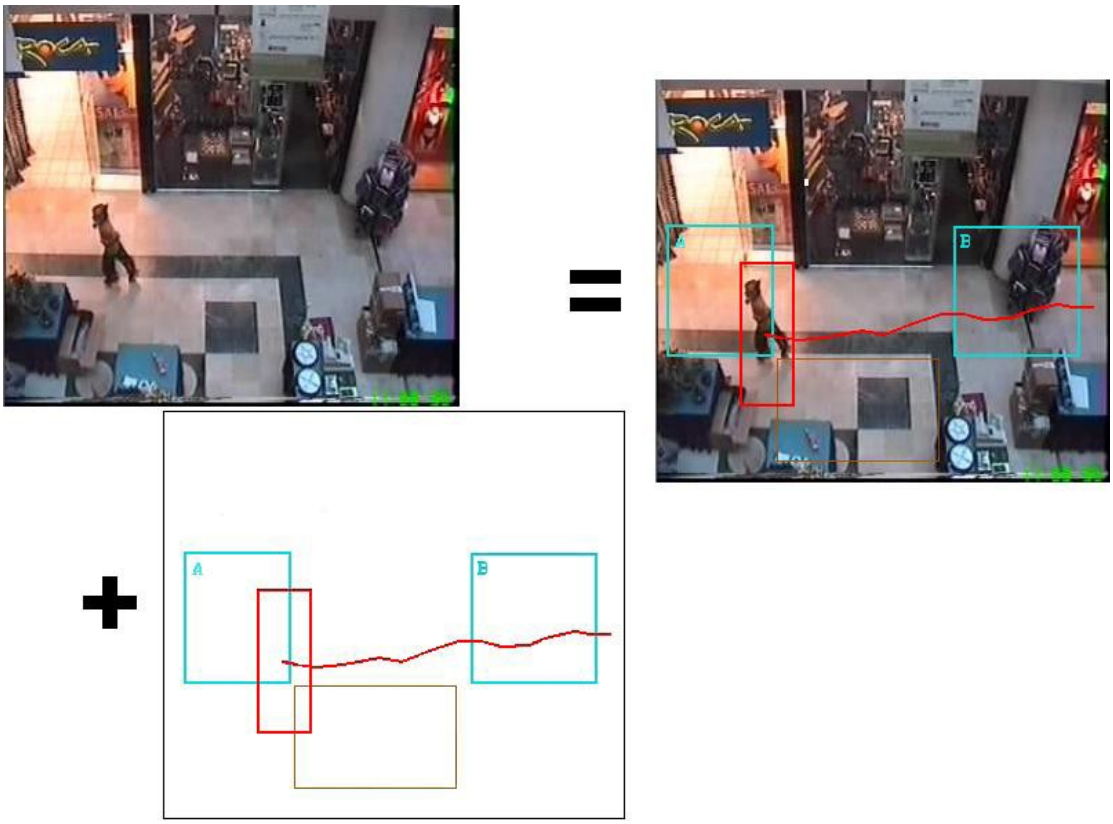


FIGURE 2-2: JPEG + OVERLAY　　图2-2：JPEG + OVERLAY

The total size of the binary data is given by:
二进制数据的总大小：

Total Message size - XML size - Header size
信息总大小-XML大小-头文件大小

- The Total Message size in bytes is given in bytes 4 - 7 of the Header.

信息总大小在头文件的第4~7字节，单位是字节。

- The total XML size in bytes is given in bytes 14 - 15 of the Header.
  XML总大小在头文件的第14~15字节，单位是字节。
- Header size is always 32 bytes

The binary data is subdivided as follows:
二进制数据细分为：

DATA **数据**	**SIZE 大小** **(BYTES)（字节）**
Jpeg	varies or 0 变量或0
Tag	30
Layout	Data varies* 数据变量*
Tag	30
Layout Header	varies* 变量*

*The Layout Data size and Layout Header size are given in the XML file (LayoutSize and LayoutHeaderSize respectively)
Layout数据大小和Layout头文件大小在XML文件中有（分别是LayoutSize 和 LayoutHeaderSize）

3. XML Message XML 信息

3.1. Layout Message Layout 信息

Status Massages are sent from the VDU to the third party application.

Status 信息是从视频检测装置发送给第三方程序的。

3.1.1. XML Example XML 范例

```
<?xml version="1.0"?>
<XMLLayoutMessage>
<LayoutVersion>ver4.0</LayoutVersion>
```

```
<CustomerNumber>9977</CustomerNumber>
<FeedNumber>1</FeedNumber>
<PresetNumber>0</PresetNumber>
<FeedNickName>Camera 1</FeedNickName>
<FrameID>0</FrameID>
<FrameSize>352,288</FrameSize>
<NumOfLayoutElements>1</NumOfLayoutElements>
<LayoutElement>
      <Layer>ROI</Layer>
      <EventName>VMD</EventName>
      <RuleBitNumber>0</RuleBitNumber>
      <Color>255,0,255</Color>
      <ElementType>Polyline</ElementType>
      <ThePoints>
      <NumberOfPoints>5</NumberOfPoints>
      <ElementPoints>9,6;338,6;338,283;9,283;9,6</ElementPoints>
      </ThePoints>
</LayoutElement>
</XMLLayoutMessage>
```

3.1.2. Layout XML Tags

XML TAG XML标签	DESCRIPTION 描述	COMMENT 注释
XMLLayoutMessage	This tag denotes that this is a Status message 这个标签表示这是一个Status信息	The LocalName of the first Node 第一个节点的LocalName
LayoutVersion	The version number of the analytics engine on the VDU 视频检测装置的分析引擎版本号	
CustomerNumber	The unique Customer Number (DeviceID) of the VDU 视频检测装置的唯一客户编码（设备ID号）	
FeedNumber	The feed number on the VDU 视频检测装置的视频输入端号	from 1 to NumberOfFeeds in consecutive order 从1到NumberOfFeeds对应数字的连续数组
PresetNumber	The preset number (for-SceneSwitch) 预置号（对应SceneSwitch）	
FeedNickname	The user-defined name for the feed	

	用户自定义的视频输入端名称	
FrameID	Unique frame ID 唯一的帧ID	
FrameSize	The size of the video on the X and Y dimension 视频长和宽的大小	
NumOfLayoutElement	The number of layout elemants LayoutElement的数量	
LayoutElement	Start layout element description layout element描述	
Layer	The layout layer	The layer could be: roi, alarmed track, not alarmed track, differernt, debug Layer可以是：roi, alarmed track, not alarmed track, differernt, debug
EventName	The event name 事件名称	e.g. VMD 例如：VMD(物体移动报警)
RuleBitNumber	The zone bit number in MSF MSF文件中的区位码	
Color	R,G,B	
ElementType	Element type 元素类型	can be可以是以下类型: points (Discrette points) , polyline (The points connecting by line) text: <TheText> <Text> ….</Text> <Scale> ….</ Scale> <PointToDraw> x,y </PointToDraw> </ TheText > Ellipse: <PointCenter>x,y </PointCenter> <Width1> ..</ Width1> <Width2> ..</ Width2> <fAgnle> . </Angnle>;

PointToDraw	Right left corner of the text 恢复文本的左上角	
ThePoints	Start points description Points描述	
NumberOfPoints	Number of points Points的数量	
ElementPoints	The points: x1,y1 ; x2,y2; x3,y3	e.g例如: 9,6;338,6;338

3.2. AlarmStartMsg

Status Massages are sent from the VDU to the third party application.

Status 信息是从视频检测装置发送给第三方程序的。

3.2.1. XML Example XML 范例

```
<?xml version="1.0" ?>
- <AlarmEventStartMsg>
- <FeedID>
  <FeedNumber>1</FeedNumber>
    <Preset>2</Preset>
  <FeedNickname>10.0.4.100</FeedNickname>
  <CustomerNumber>1609</CustomerNumber>
<SourceProperties>43003a005c0044006f00630075006d0065006e00740073002000610006e0064
    00200053006500740074006900 6e00670073005c00710061005f00750073006500720 05c00
    44006500730 06b0074006f0070005c004d006f00760069006500 5c003400700074007a0032
    00200031003500730 02e006d00700067000000</SourceProperties>
  </FeedID>
  <TimeStamp>1216810302</TimeStamp> <!-- Unix Time -->
  <Type>VMD</Type>
- <Point>
  <X>128</X>
  <Y>135</Y>
    </Point>
- <Rect>
- <UpLeft>
  <X>48</X>
  <Y>55</Y>
    </UpLeft>
- <DownRight>
```

```
<X>208</X>
<Y>215</Y>
  </DownRight>
  </Rect>
<ZoneBit>0</ZoneBit>
<AlarmName>56004D0044003100</AlarmName>
<JpbFilename>TS1216803057_F1_D23_7_T11_50_57.jpb</JpbFilename>
<JpbLocalPath>C:\Ver4_0\bin\Scanner\Shay_comp\Feed1\YR2008\MON7\DAY23\H
  R11</JpbLocalPath>
<AVCIP>10.0.0.119</AVCIP>
<DeviceAlarmID>1216846481</DeviceAlarmID>
<DvrAlarmID>00000000000:0:Override[00]:00000000000000</DvrAlarmID>
<LayoutSize>000548</LayoutSize>
<LayoutHeaderSize>640</LayoutHeaderSize>
</AlarmEventStartMsg>
```

3.2.2. Alarm Start XML Tags

XML TAG XML 标签	DESCRIPTION 描述	COMMENT 注释
AlarmEventStartMsg	This tag denotes that this is an Alarm Start message 此标签表示这是一个Alarm Start信息	The LocalName of the first node 第一个节点的LocalName
DeviceType	The type of VDU (device) generating the message 产生该信息的视频检测装置（设备）	e.g. Trigger 例如：Trigger
FeedID		
FeedNumber	The feed number on the VDU that triggered the alarm 触发报警的视频源编号	
CustomerNumber	The unique Customer Number (DeviceID) of the VDU 视频检测装置唯一的客户号（设备ID）	
Type	The type of alarm triggered 触发的报警类型	e.g. ObjectRemoval 例如：ObjectRemoval
JpbFilename	The name of the .jpb file containing the recorded video clip of the alarm.	

	报警视频录像的.jpb文件的名称	
JpbLocalPath	The local path to the stored .jpb file 存储.jpb文件的本地路径	
DeviceAlarmID	The ID number of this event. 该事件的ID号	The same ID number is given in the ***Alarm Stop*** message ***Alarm Stop***信息中有相同的ID号
LayoutSize	The size of the Layout in bytes Layout的大小，单位是字节	
LayoutHeaderSize	The size of the ***Layout Header*** (see"Binary Data) in bytes ***Layout Header***的大小，单位是字节（见“二进制数据”）	
Point	Event location in the image 事件在图中的特定区域	
Rect	Event location in the image	
SourceProperties	Represents a UTF-16 encoding of Unicode characters 代表一个Unicode字符的UTF - 16编码	

3.3. Alarm Stop

Status Massages are sent from the VDU to the third party application.

Status 信息是从视频检测装置发送给第三方程序的。

3.3.1. Alarm Stop XML Example

Alarm Stop XML 范例

```
<?xml version="1.0"?>
<AlarmEventStopMsg>
<FeedID>
<FeedNumber> 3 </FeedNumber>
<CustomerNumber> 123 </CustomerNumber>
<DeviceAlarmID> 1148120325 </DeviceAlarmID>
```

```
  </FeedID>
</AlarmEventStopMsg>
```

3.3.2. Alarm Stop XML Tags

The Alarm Stop message is only sent by ***Behavior VDUs*** (see "Message Structure" on page 2-1).

Alarm Stop信息只能从行为分析视频检测装置发送（见页2-1“信息结构图”）

XML TAG DESCRIPTION COMMENT

XML 标签描述注释

XML TAG **XML 标签**	**DESCRIPTION** **描述**	**COMMENT** **注释**
AlarmEventStopMsg	T This tag denotes that this is an Alarm Stop message 此标签表示这是一个Alarm Stop信息	The LocalName of the first node 第一个节点的LocalName
FeedID		
FeedNumber	The feed number on the VDU that triggered the alarm 触发报警的视频源编号	
CustomerNumber	The unique Customer Number (DeviceID) of the VDU 视频检测装置唯一的客户号（设备ID）	
DeviceAlarmID	The ID number of the alarm event. The same ID number is given in the corresponding ***Alarm Start*** 该事件的ID号。***Alarm Start*** 信息中有相同的ID号	

3.4. Status Message

Status Massages are sent from the VDU to the third party application.

Status 信息是从视频检测装置发送给第三方程序的。

3.4.1. Status Message XML Example

Status Message XML 范例

```
<?xml version="1.0"?>
<StatusMsg>
<CustomerNumber>240</CustomerNumber>
<DeviceName>Stab_6</DeviceName>
<DeviceType>BWScanner</DeviceType>
<ZoomSupport>Yes</ZoomSupport>
<EngineInfo>
<MemoryAllocated> 0 </MemoryAllocated>
<M4Allocated> 0 </M4Allocated>
<SupportedAlarms>
<Type> StaticObject </Type>
<Type> ObjectStarted </Type>
<Type> VMD </Type>
<Type> PathDetection </Type>
<Type> DirectionalMotion </Type>
<Type> Presence </Type>
<Type> ObjectRemoval </Type>
<Type> Speed </Type>
<Type> Loitering </Type>
</SupportedAlarms>
<Version> 3,0,10,12 </Version>
</EngineInfo>
<NumberOfFeeds>
8
</NumberOfFeeds>
<Feed>
<FeedNumber>
1
</FeedNumber>
<Status>
Idle
</Status>
<MultiPresetEnabled>No</MultiPresetEnabled>
<MultiMSFSupported>Yes</MultiMSFSupported>
<Relay4System>Yes</Relay4System>
<VideoSizeX> 320 </VideoSizeX>
<VideoSizeY> 240 </VideoSizeY>
<FCIF_SUPPORT>No</FCIF_SUPPORT>
<FeedNickname>
IQeye QVGA - 10.0.5.106
</FeedNickname>
<SourceProperties>
68007400740070003a002f002f00310030002e0030002e0035002e003100300036002f006e006
f0077002e006a00700067003f0073006e00610070003d007300700075007300680026006400730
03d005100560047004100000
</SourceProperties>
</Feed>
```

<Feed>
<FeedNumber>
2
</FeedNumber>
<Status>
Idle
</Status>
<MultiPresetEnabled>No</MultiPresetEnabled>
<MultiMSFSupported>Yes</MultiMSFSupported>
<Relay4System>Yes</Relay4System>
<VideoSizeX> 320 </VideoSizeX>
<VideoSizeY> 240 </VideoSizeY>
<FCIF_SUPPORT>No</FCIF_SUPPORT>
<FeedNickname>
IQeye QVGA - 10.0.0.199
</FeedNickname>
<SourceProperties>
68007400740070003a002f002f00310030002e0030002e0030002e003100390039002f006e006
f0077002e006a00700067003f0073006e00610070003d007300700075007300680026006400730
003d005100560047004100000
</SourceProperties>
</Feed>
<Feed>
<FeedNumber>3</FeedNumber>
<Status>Idle</Status>
<MultiPresetEnabled>No</MultiPresetEnabled>
<MultiMSFSupported>Yes</MultiMSFSupported>
<Relay4System>Yes</Relay4System>
<VideoSizeX> 320 </VideoSizeX>
<VideoSizeY> 240 </VideoSizeY>
<FCIF_SUPPORT>No</FCIF_SUPPORT>
<FeedNickname> IQeye QVGA - 10.0.5.100 </FeedNickname>
<SourceProperties>
68007400740070003a002f002f00310030002e0030002e0035002e003100300030002f006e006
f0077002e006a00700067003f0073006e00610070003d007300700075007300680026006400730
003d005100560047004100000
</SourceProperties>
</Feed>
<Feed>
<FeedNumber> 4 </FeedNumber>
<Status>Idle</Status>
<MultiPresetEnabled>No</MultiPresetEnabled>
<MultiMSFSupported>Yes</MultiMSFSupported>
<Relay4System>Yes</Relay4System>
<VideoSizeX> 320 </VideoSizeX>
<VideoSizeY> 240 </VideoSizeY>
<FCIF_SUPPORT>No</FCIF_SUPPORT>
<FeedNickname>
IQeye QVGA - 10.0.5.101
</FeedNickname>
<SourceProperties>
68007400740070003a002f002f00310030002e0030002e0035002e003100300031002f006e006
f0077002e006a00700067003f0073006e00610070003d007300700075007300680026006400730
003d005100560047004100000
</SourceProperties>
</Feed>
<Feed>

<FeedNumber>
5
</FeedNumber>
<Status>
Idle
</Status>
<MultiPresetEnabled>No</MultiPresetEnabled>
<MultiMSFSupported>Yes</MultiMSFSupported>
<Relay4System>Yes</Relay4System>
<VideoSizeX> 320 </VideoSizeX>
<VideoSizeY> 240 </VideoSizeY>
<FCIF_SUPPORT>No</FCIF_SUPPORT>
<FeedNickname>
IQeye QVGA - 10.0.5.102
</FeedNickname>
<SourceProperties>
68007400740070003a002f002f00310030002e0030002e0035002e003100300032002f006e006
f0077002e006a00700067003f0073006e00610070003d007300700075007300680026006400730
03d005100560047004100000
</SourceProperties>
</Feed>
<Feed>
<FeedNumber>
6
</FeedNumber>
<Status>
Idle
</Status>
<MultiPresetEnabled>No</MultiPresetEnabled>
<MultiMSFSupported>Yes</MultiMSFSupported>
<Relay4System>Yes</Relay4System>
<VideoSizeX> 320 </VideoSizeX>
<VideoSizeY> 240 </VideoSizeY>
<FCIF_SUPPORT>No</FCIF_SUPPORT>
<FeedNickname>
IQeye QVGA - 10.0.5.103
</FeedNickname>
<SourceProperties>
68007400740070003a002f002f00310030002e0030002e0035002e003100300033002f006e006
f0077002e006a00700067003f0073006e00610070003d007300700075007300680026006400730
03d005100560047004100000
</SourceProperties>
</Feed>
<Feed>
<FeedNumber>
7
</FeedNumber>
<Status>
Idle
</Status>
<MultiPresetEnabled>No</MultiPresetEnabled>
<MultiMSFSupported>Yes</MultiMSFSupported>
<Relay4System>Yes</Relay4System>
<VideoSizeX> 320 </VideoSizeX>
<VideoSizeY> 240 </VideoSizeY>
<FCIF_SUPPORT>No</FCIF_SUPPORT>
<FeedNickname>

```
IQeye QVGA - 10.0.5.104
</FeedNickname>
<SourceProperties>
68007400740070003a002f002f00310030002e0030002e0035002e003100300034002f006e006
f0077002e006a00700067003f0073006e00610070003d007300700075007300680026006400730
03d005100560047004100000 0
</SourceProperties>
</Feed>
<Feed>
<FeedNumber>
8
</FeedNumber>
<Status>
Idle
</Status>
<MultiPresetEnabled>Yes</MultiPresetEnabled>
<MultiMSFSupported>Yes</MultiMSFSupported>
<Relay4System>Yes</Relay4System>
<VideoSizeX> 352 </VideoSizeX>
<VideoSizeY> 288 </VideoSizeY>
<FCIF_SUPPORT>No</FCIF_SUPPORT>
<FeedNickname>
4ptz2 15s.mpg
</FeedNickname>
<SourceProperties>
43003a005c0044006f00630075006d0065006e00740073002000610 06e006400200053006500
7400740069006e00670073005c00710061005f00750073006500720 05c004400650073006b0074
006f0070005c004d006f00760069006500 5c00340070007400 7a00320020003100350073002e0
06d00700067000000
</SourceProperties>
</Feed>
<VersionNumber>4_0_0_8374</VersionNumber>
<MSFListSupport>Yes</MSFListSupport>
<AlarmDependencySupport>Yes</AlarmDependencySupport>
</StatusMsg>
```


3.4.2. Status Message XML Tags

XML TAG XML标签	DESCRIPTION 描述	COMMENT 注释
StatusMsg	This tag denotes that this is a Status message 此标签表示这是一个Status信息	The LocalName of the first Node 第一个节点的LocalName
CustomerNumber	The unique Customer Number (DeviceID) of the VDU 视频检测装置唯一的客户号（设备ID）	
DeviceName	The user-defined name for the	

	VDU 用户自定义的视频检测装置名称	
DeviceType	The type of VDU generating the message 产生该信息的视频检测装置（设备）	e.g. Trigger or CountWatch 例如：Trigger 或 CountWatch
SupportedAlarms	The list of supported alarms for the VDU 视频检测装置支持的报警列表	Each supported alarm is enclosed in a Type tag 每一个报警用一个Type标签附上
Type	The type of alarm triggered 触发的报警类型	e.g. ObjectRemoval 例如：ObjectRemoval
Version	The version number of the analytics engine on the VDU 视频检测装置的分析引擎版本号	
NumberOfFeeds	The total number of feeds supported by the VDU 视频检测装置总共支持的视频源数量	
Feed		
FeedNumber	The feed number on the VDU 触发报警的视频源编号	from 1 to NumberOfFeeds in consecutive order 从1到NumberOfFeeds对应数字的连续数组
Status	The status of the camera feed 该摄像头视频源的状态	*Alarmed:* Feed is currently registering an alarm (not relevant to CountWatch) *Alarmed:*此视频源正工作中并有警报。（不支持CountWatch） *Idle:* Feed is connected and operational with no alarm detected *Idle:* 此视频源正工作中但没有警报。 *Disconnected:* Feed is not connected. *Disconnected:*该路视频源未

		连接 *NoMsf:* Feed is connected, but no msf file defining the detection rules is active *NoMsf:* 路视频源未连接。
VideoSizeX	The size of the video on the X dimension 视频在X轴方向的尺寸	
VideoSizeY	The size of the video on the Y dimension 视频在Y轴方向的尺寸	
FeedNickname	The user-defined name for the feed 用户自定义的视频源名称	
CameraType	The type of camera feed 摄像头视频源的类型	only appear for Intellex feeds 只在Intellex视频源显示
VideoSourceIP	The IP Address of the camera feed 摄像头视频源的IP地址	only appear for Intellex feeds 只在Intellex视频源显示
VideoSourceChannelNumber	The channel number of the camera feed on the Intellex device Intellex设备支持的视频源路数	only appear for Intellex feeds 只在Intellex视频源显示

3.5. Count Massage

Count 信息

Count Massage is sent only by Count Watch Edge Device. This is the only Massage that may be followed by an acknowledge Massage sent to the Edge Device. Massage with no ack will be resent by the VDU.

Count 信息只能从 Count Watch 设备发送。这是唯一可以对已发送到设备的信息跟进的信息。该信息从视频检测装置重新发送时没有任何动作。

3.5.1. Count Massage XML Example

Count Massage XML 范例

<?xml.version="1.0"?>

<CountingEventMsg>

<CustomerNumber>1007</CustomerNumber>

<FeedNumber>1</FeedNumber>.

<DeviceType>iSense</DeviceType>.

<FeedNickname>24BE</FeedNickname>

<Event>

<EventName>.FlowCounting.</EventName>.

<EventType>.CountersState.</EventType>

<StartTime>.1231257895.</StartTime>

<EndTime>.1231257925.</EndTime>

<CounterIn>

<Value>.3110.</Value>

<Delta>.1.</Delta>.

</CounterIn>

<CounterOut>

<Value>.2731.</Value>.

<Delta>.0.</Delta>

</CounterOut>

.</Event>

<ReqAck>1</ReqAck>

</CountingEventMsg>

3.5.2. Count Message XML Tags

XML TAG XML标签	DESCRIPTION 描述	COMMENT 注释
CustomerNumber	The unique Customer Number (DeviceID) of the VDU	

	视频检测装置唯一的客户号（设备ID）	
FeedNumber	The feed number on the VDU that triggered the alarm 触发报警的视频源编号	
DeviceType	iSense	
FeedNickname	The user-defined name for the feed 用户自定义的视频源名称	
EventName	FlowCounting or CarCounting 人流计数或车流计数	
EventType	CountersState	e.g. Trigger
StartTime	Counted period Start time (unix time) 计数开始时间(unix时间)	
EndTime	Counted period End time (unix time) 计数结束时间(unix时间)	End time may be equal to start time 结束时间可能和开始时间相同
CounterIn/ Value	Last day Counters, In direction 前一天的进入（IN）方向的数值	
CounterIn/ Delta	Delta from last Massage, In direction 上次信息进入（IN）方向的数的变化	
CounterOut/ Value	Last day Counters, Out direction 前一天的出（OUT）方向的数值	
CounterOut/ Delta	Delta from last Massage, Out direction 上次信息出（OUT）方向的数的变化	
ReqAck	VDU support ack Massages 视频检测装置支持Ack信息	iSense only 只有iSense

3.6. Clock Massage

Clock 信息

Clock Massage to VDU should start by a standard VCA Massage header.
Clock Massage is supported only by iSense and Trigger.
Clock信息必须从标准的MATE信息头文件开始。Clock信息只支持iSense 和 Trigger

3.6.1. Clock Massage XML Example

Clock Massage XML 范例

<ClockMsg>

<UnixTime> 100000 <\ClockMsg>

<\UnixTime>

3.7. Ack Massage

Ack 信息

Ack Massage to VDU should start by a standard VCA Massage header.
Ack信息必须从标准的MATE信息头文件开始。

Ack Massage is supported only by iSense.
Ack信息只支持iSense。

3.7.1. Ack Massage XML Example

Ack Massage XML 范例

< MsgAckType>
<CustomerNumber>1007</CustomerNumber>

<FeedNumber>1</FeedNumber>.
<CountingEventAck>

<ErrorCode>0<\ErrorCode>
<StartTime>100000<\ StartTime>
<EndTime>100030<\ EndTime>
<\CountingEventAck>
< \MsgAckType>

3.7.2. Ack Message XML Tags

XML TAG XML标签	DESCRIPTION 描述	COMMENT 注释
CustomerNumber	The unique Customer Number (DeviceID) of the VDU 视频检测装置唯一的客户号（设备ID）	
FeedNumber	The feed number on the VDU that triggered the alarm 触发报警的视频源编号	
ErrorCode	0 – No Error 0- 没有错误 Else: error Else:错误	
StartTime	StartTime value of the acknowledged Massage 确认信息的StartTime值	
EndTime	EndTime value of the acknowledged Massage 确认信息的EndTime值	

4. RTP Server

RTP 服务器

Embedded VDU may serve as an RTP video server, streaming standard mpeg4 video stream to external application, such as QuickTime. Supported video stream include CIF/4CIF, PAL/NTSC, differential frame rate and different encoding modes such as CBR, VBR etc.

嵌入式视频检测装置可以作为 RTP 视频服务器，流媒体标准的 MPEG4 视频流外部应用程序，如 QuickTime。支持的视频流包括 CIF/4CIF， PAL / NTSC 制式，不同的帧速率和不同的编码模式，如 CBR， VBR 等。

For additional information on using QuickTime application, follow that link:

使用 QuickTime 的更多资讯请访问以下链接：

http://developer.apple.com/quicktime/