



ET908-H-POE 下联视频终端卡顿

产品特性

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组网及说明

摄像头---OLT---ONU---视频录播服务器

说明：视频录播服务器查看视频时需要去摄像头拉流量

问题描述

现场反馈ET908-H下挂的视频录播服务器查看视频卡顿，且对应ONU口出入方向存在大量错包且递增

```
[Core_H3C-7506-1]DIS interface Onu 0/0/10:11
Onu0/0/10:11
Current state: UP
IP packet frame type: Ethernet II, hardware address: 5ca7-2139-ea00
Description: Onu0/0/10:11 Interface
Maximum frame length: 1500
Loopback is not set
Port hardware type is Unknown
Broadcast max-ratio: 100%
Multicast max-ratio: 100%
Unicast max-ratio: 100%
PVID: 1
Port link-type: Trunk
VLAN Passing: 1(default vlan), 11-14, 21-24, 31-34, 41-44, 51, 81-85, 91
93-94, 99, 200-202, 210, 240, 444
VLAN permitted: 1(default vlan), 2-4094
Trunk port encapsulation: IEEE 802.1q
Last clearing of counters: Never
Last 300 seconds input: 1099 packets/sec 154890 bytes/sec -%
Last 300 seconds output: 1026 packets/sec 1498819 bytes/sec -%
Input (total): 53960156 packets, 7220427710 bytes
40972539 unicasts, 4214742 broadcasts, 8772875 multicasts, - pauses
Input (normal): - packets, - bytes
- unicasts, - broadcasts, - multicasts, - pauses
Input: 72699 input errors, 0 runts, 72699 giants, - throttles
0 CRC, - frame, - overruns, 0 aborts
- ignored, - parity errors
Output (total): 63845020 packets, 95334756021 bytes
63817835 unicasts, 25773 broadcasts, 1412 multicasts, - pauses
Output (normal): - packets, - bytes
- unicasts, - broadcasts, - multicasts, - pauses
Output: 62266399 output errors, - underruns, - buffer failures
0 aborts, - deferred, - collisions, - late collisions
- lost carrier, - no carrier
```

过程分析

1、Input errors 是 > 1518 字节的报文，与业务相关，可不关注。

2、Output error是拥塞导致的，与 ONU配置的最大上行带宽太低有关系，仅614Mbps，对应带宽对于视频流来说，带宽太低

```
interface Onu0/0/10:11
```

```
bind onu-id 60db-15b7-1c09
```

```
upstream-sla minimum-bandwidth 4800 maximum-bandwidth 9600 //maximum-bandwidth为上行的最大带宽，单位为64kbps，65kbps*9600=614M
```

解决方法

现场是于10G-EPON单板，对于10G-EPON单板的OLT端口，最大上行带宽上限为9500Mbps，建议通过upstream-sla命令将maximum-bandwidth调整为156250，即让ONU自动分配上行带宽

