



Heartbeat Protocol for Grandstream DVS/IP camera

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Introduction

This document explains how to set up a heartbeat connection between the client application and Grandstream DVS/IP camera, as well as the format of messages.

Definition of messages

Establish a heartbeat connection between the client application and DVS/IP camera

1. Client application sends a heartbeat connection request to DVS/IP camera

CMD: ALIVE MCTP/1.0 CS\n

@A@B\n

END\n

NOTE: A – RTSP conversation ID. The length of RTSP conversation ID has to be 8
B – Video Channel ID. $0 \leq B \leq 7$.
0, 1, 2, 3 represent the primary stream of channel 1 to channel 4
4, 5, 6, 7 represent the secondary stream of channel 1 to channel 4
RTSP heartbeat connection would be established after RTSP streaming starts successfully.

2. DVS/IP camera sends response to the heartbeat connection request

CMD: ALIVE MCTP/1.0 SC\n

@A@B@C\n

END\n

NOTE: A – RTSP conversation ID. The length of RTSP conversation ID has to be 8
B – Video Channel ID. $0 \leq B \leq 7$.
0, 1, 2, 3 represent the primary stream of channel 1 to channel 4
4, 5, 6, 7 represent the secondary stream of channel 1 to channel 4
C – Execution Result. 1 – Success; 0 – failure

Keep-alive Messages

The format of message sent from the client application to DVS/IP camera

CMD:ALIVE MCTP/1.0 CS\n

END\n

The format of message sent from DVS/IP camera to the client application

CMD:ALIVE MCTP/1.0 SC\n

END\n