

Video STREAMING REQUIREMENT DOCUMENT_V1.0

January 4, 2023

Contents

1	Video Stream over UDP	4
2	Requirements	4
2.1	Functional Flow	4
2.2	Process states	4
2.3	List of faults	4

Document history log:

Status (Baseline/Revision/Closed)	Effective Date	Description

Changes made from previous version:

Section	SNo	Changes Made

1 Video Stream over UDP

1.1 Requirements

1. Receive H.264 format raw video data through ethernet TCP protocol and saving that in raw binary file.
2. Raw binary video file sent to vlc media player using UDP protocol and play it on vlc media player.

1.2 Functional Flow

1. Create a TCP socket for receiving H.264 raw video data.
2. Create a UDP socket for sending H.264 raw video data.
3. Receive raw video data through ethernet using TCP protocol and save it in a binary video file.
4. Read the binary video file and send it to the vlc media player through ethernet using UDP protocol.

1.3 Process states

1.4 List of faults