FIRE DETECTION USING OPENCV AND G-STREAMER

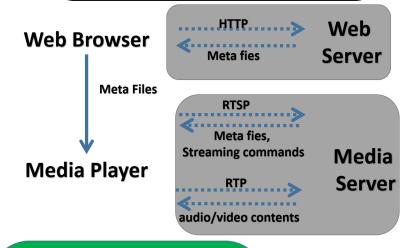


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METHODOLOGY



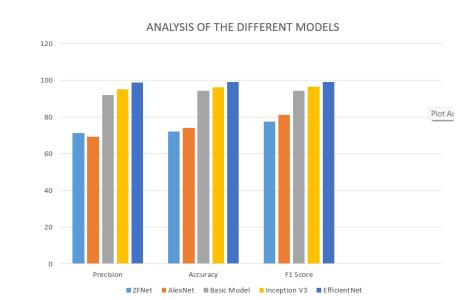
In our project, we are using RTSP (Real Time Streaming protocol), to transfer real-time data from multimedia to an endpoint device by communicating directly with server streaming data.



Efficient-Net is a convolutional neural network architecture and scaling method that uniformly scales all dimensions of depth/width/resol ution using a compound coefficient.

Ostreamer is being used in our project as it can process the streamed media easily, has cross-platform support and multimedia technologies coverage.

ANALYSIS

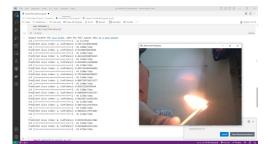


MIZER
OSS ENTROY



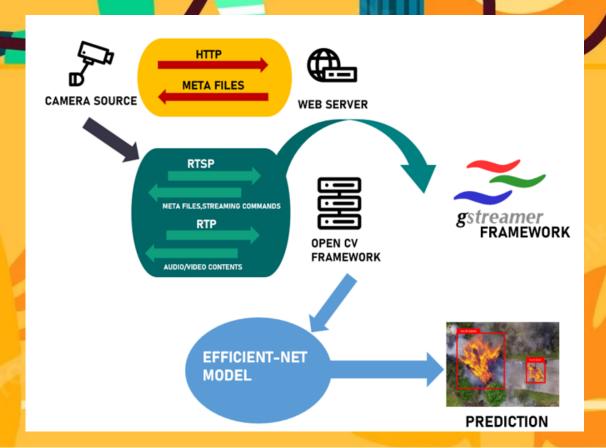
Original Image





Showing O(zero) for Fire

PROPOSED PLAN



FROM CAMERA SOURCE, VIDEO INFORMATION SEND TO LOCAL HOST, USING RTSP PROTOCOL(GSTREAMER FRAMEWORK).

IN THE LOCAL HOST, OPEN CV FRAMEWORK TAKES THE VIDEO INPUT AND SENDS FRAMES TO EFFICIENT-NET MODEL.

EFFICIENT-NET MODEL MAKES
THE PREDICTION ON THE
INFORMATION, TO PREDICT
FIRE.