Activity\_Main.XML

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout

xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:id="@+id/main"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Example of Video Capturing"

android:textSize="30sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.452"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.136" />

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Capture Video"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.253" />

<Button

android:id="@+id/button2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Play Video"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.538"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.898" />

<VideoView

android:id="@+id/videoView"

android:layout\_width="400dp"

android:layout\_height="300dp"

android:layout\_marginStart="4dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.603" />

</androidx.constraintlayout.widget.ConstraintLayout>

MainActivity.Java

package com.example.videocameraexample;

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.provider.MediaStore;

import android.view.View;

import android.widget.Button;

import android.widget.MediaController;

import android.widget.VideoView;

import androidx.activity.EdgeToEdge;

import androidx.annotation.Nullable;

import androidx.appcompat.app.AppCompatActivity;

import androidx.core.graphics.Insets;

import androidx.core.view.ViewCompat;

import androidx.core.view.WindowInsetsCompat;

public class MainActivity extends AppCompatActivity {

Button capture, play;

private Uri uriaddress=null;

private static int CAMERA\_REQUEST=101;

VideoView vv;

MediaController mc;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

capture=findViewById(R.id.button);

play=findViewById(R.id.button2);

vv=findViewById(R.id.videoView);

mc=new MediaController(this);

capture.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent cap=new

Intent(MediaStore.ACTION\_VIDEO\_CAPTURE);

if(cap.resolveActivity(getPackageManager())!=null)

{

startActivityForResult(cap,CAMERA\_REQUEST);

}

}

});

play.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

vv.setVideoURI(uriaddress);

mc.setAnchorView(vv);

vv.setMediaController(mc);

}

});

}

@Override

protected void onActivityResult(int requestCode, int resultCode,

@Nullable Intent data) {

super.onActivityResult(requestCode, resultCode, data);

if(requestCode==CAMERA\_REQUEST && resultCode==RESULT\_OK)

{

uriaddress=data.getData();

}

}

}