

Class Name	Function	Parameter
Sever	main(self)	self
SeverWorker	__init__(self, clientInfo)	self, clientInfo
	run(self)	self
	processRtspRequest(self, data)	self, data
	sendRtp(self)	self
	makeRtp(self, payload, frameNbr)	self, payload, frameNbr
	replyRtsp(self, code, seq)	self, code, seq
Client	__init__(self, master, serveraddr, serverport, rtpport, filename)	self, master, serveraddr, serverport, rtpport, filename
	createWidgets(self)	self
	setupMovie(self)	self
	exitClient(self)	self
	pauseMovie(self)	self
	playMovie(self)	self
	take_time(self, buftime)	self, buftime
	listenRtp(self)	self
	writeFrame(self, data)	self, data
	updateMovie(self, imageFile)	self, imageFile
	connectToServer(self)	self
	sendRtspRequest(self, requestCode)	self, requestCode
	recvRtspReply(self)	self
	parseRtspReply(self, data)	self, data
	openRtpPort(self)	self
	handler(self)	self
RtpPacket	__init__(self)	self
	encode(self, version, padding, extension, cc, seqnum, marker, pt, ssrc, payload)	self, version, padding, extension, cc, seqnum, marker, pt, ssrc, payload
	decode(self, byteStream)	self, byteStream
	version(self)	self
	seqNum(self)	self
	timestamp(self)	self
	payloadType(self)	self
	getPayload(self)	self
	getPacket(self)	self
VideoStream	__init__(self, filename)	self, filename
	nextFrame(self)	self
	frameNbr(self)	self

Description
Main function to run the whole program.
Constructor
Run the server
Process the Rtsp request
Send RTP packets over UDP
RPT-packetize the video data
Send RTSP reply to the Client
Constructor
Build GUI
Setup button handler
Teardown button handler
Pause button handler
Play button handler
change time to format minutes : seconds
Listen for RTP packets and analysis somethings
Write the received frame to a temp image file
Update the image file as video frame in the GUI
Connect to the Server. Start a new RTSP/TCP session
Send RTSP request to the server
Receive RTSP reply from the server
Parse the RTSP reply from the server
Open RTP socket binded to a specified port
Handler on explicitly closing the GUI window
constructor
Encode the RTP packet with header fields and payload
Decode the RTP packet
Return RTP version
Return sequence (frame) number
Return timestamp
Return payload type
Return payload
Return RTP packet
Constructor
Get next frame
Get frame number