

RTSP Inspector Report

Generated	2026-06-21T09:52:33.368Z
Session	sample-udp-blocked
URL	rtsp://10.42.18.23:554/Streaming/Channels/101
Status	finished
Started	2026-06-21T09:18:41.557Z
Ended	2026-06-21T09:52:33.365Z
Transport	Udp
User agent	rtsp-inspector/sample-report
Timeout	8000 ms

Diagnostic conclusion

Verdict	Action required
Root cause	Firewall, NAT, VPN, or VLAN policy allows RTSP control but blocks negotiated UDP media ports.
Next action	Open the negotiated RTP/RTCP port range or use RTSP interleaved TCP for this site.
Confidence	97%
Failing step	UDP media path blocked
Stream score	92/100
Protocol health	100/100
Network health	76/100
Codec health	100/100

Evidence coverage

Coverage level	media
RTSP messages	10
SDP tracks	1
RTP packets	5
RTCP packets	1
Codec events	3
DESCRIBE OK	true
SETUP OK	true
PLAY OK	true
H264 parameter sets	true
H264 IDR	true

Video evidence

Codec	H264
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Decode readiness	Ready
Top finding	H264 is decodable but media warnings exist
Parameter sets	SPS, PPS
First recovery point	681334200
Access units	1

Video warning: RTP lost packets: 37

Video warning: RTP duplicated packets: 4

Video warning: RTP reordered packets: 3

Recommended fixes

Keep this session as a known-good video baseline.

Investigate network loss/reorder and compare RTP sequence lane with RTCP reports.

RTSP request/response summary

Time	Direction	Message	CSeq	Session	Notes
2026-06-21T09:18:41.557Z	client -> server	OPTIONS	1		
00:00:01.000	server -> client	401 Unauthorized	1		
00:00:02.000	client -> server	OPTIONS	2		
00:00:02.000	server -> client	200 OK	2		
00:00:03.000	client -> server	DESCRIBE	3		
00:00:03.000	server -> client	200 OK	3		body 612 bytes
00:00:04.000	client -> server	SETUP	4	4f2a9b88	
00:00:04.000	server -> client	200 OK	4	4f2a9b88	
00:00:05.000	client -> server	PLAY	5	4f2a9b88	
00:00:05.000	server -> client	200 OK	5	4f2a9b88	

RTP statistics

Stream	Track	SSRC	PT	Packets	Loss	Jitter	Bitrate	Window
video-main -ssrc-8f22a11c	sdp-video-main	0x8f22a11c	96	1284	lost 37 / dup 4 / reorder 3	18.72 ms	3856000 bps	00:00:00.4 12 - 00:00:07.9...

RTCP information

Time	Packet type	SSRC	Channel	Length	Warning
00:00:01.230	Sender Report	0x8f22a11c	1	6	

Diagnostics

Severity	Confidence	Title	Evidence	Cause	Action
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Severity	Confidence	Title	Evidence	Cause	Action
Error	97%	UDP media path blocked	SETUP accepted client_port=50000-50001, but no matching...	Firewall, NAT, VPN, or VLAN policy allows RTSP control but...	Open the negotiated RTP/RTCP port range or use RTSP...

Timeline timestamps

Time	Event	Severity	Details
00:00:00.000	UDP SETUP accepted	Info	client_port=50000-50001;server_port=6970-6971
00:00:04.982	No matching UDP RTP received	Error	Control plane OK, media plane blocked
00:00:05.412	Fallback to interleaved TCP	Info	TCP media produced packets and codec evidence