

# RTSP Inspector Report

Generated	2026-06-21T09:52:33.372Z
Session	sample-h265-vms-decode-failure
URL	rtsp://camera.local/Streaming/Channels/101
Status	finished
Started	2026-06-21T09:18:41.557Z
Ended	2026-06-21T09:52:33.365Z
Transport	Tcp
User agent	rtsp-inspector/sample-report
Timeout	8000 ms

## Diagnostic conclusion

Verdict	Degraded
Root cause	VLC is tolerant of this H.265 stream while the target VMS requires a stricter profile or stable VPS/SPS/PPS cadence.
Next action	Switch this camera profile to H.264 for isolation, or match the H.265 profile and parameter-set behavior to the VMS ingest requirements.
Confidence	91%
Failing step	H265 compatibility boundary
Stream score	97/100
Protocol health	100/100
Network health	100/100
Codec health	92/100

## Evidence coverage

Coverage level	media
RTSP messages	10
SDP tracks	1
RTP packets	1
RTCP packets	0
Codec events	1
DESCRIBE OK	true
SETUP OK	true
PLAY OK	true
H264 parameter sets	false
H264 IDR	false

## Video evidence

Codec	H265
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Decode readiness	MissingParameterSets
Top finding	H265 is missing decoder parameter sets
Parameter sets	none
First recovery point	none
Access units	1

Video warning: target VMS rejects this H265 profile

## Recommended fixes

Repeat SPS/PPS or VPS/SPS/PPS in-band, or include complete parameter sets in SDP.

## 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-8f22 a11c	sdp-video- main	0x8f22a11c	98	2420	lost 0 / dup 0 / reorder 0	4.32 ms	4820000 bps	00:00:00.3 20 - 00:00:09.8...

## RTCP information

No RTCP packets were captured.

## Diagnostics

Severity	Confidence	Title	Evidence	Cause	Action
Warning	91%	H265 compatibility boundary	RTSP control and RTP delivery succeeded, but codec evidence...	VLC is tolerant of this H.265 stream while the target VMS...	Switch this camera profile to H.264 for isolation, or...

## Timeline timestamps

<b>Time</b>	<b>Event</b>	<b>Severity</b>	<b>Details</b>
00:00:00.000	RTSP control and RTP delivery succeeded	Info	Reachability is not the failure boundary
00:00:02.800	VMS decode compatibility flagged	Warning	HEVC profile requires stricter downstream support