RTSP Inspector Report

Generated	2026-06-21T09:52:33.370Z
Session	sample-onvif-rtsp-url-fails
URL	rtsp://camera.local/onvif/profile1
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	Action required
Root cause	The VMS or installer is using an outdated RTSP URL, wrong channel suffix, or profile token that no longer matches camera firmware.
Next action	Test the exact RTSP URL handed to the VMS, compare main/substream URLs, and update the camera profile template.
Confidence	93%
Failing step	RTSP URL/profile handoff failed
Stream score	92/100
Protocol health	76/100
Network health	100/100
Codec health	100/100

Evidence coverage

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

Missing for full media baseline: RTP media packets, H264 SPS/PPS evidence, H264 IDR evidence

Video evidence

Codec	H264
Decode readiness	NoMedia
Top finding	No media packets were available for video evidence
Parameter sets	none
First recovery point	none
Access units	0

Recommended fixes

Verify PLAY, Transport channel mapping, and camera media source.

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

No RTP packets were captured.

RTCP information

No RTCP packets were captured.

Diagnostics

Severity	Confidence	Title	Evidence	Cause	Action
Error	93%	RTSP URL/profile handoff failed	The camera is discoverable through ONVIF, but DESCRIBE...	The VMS or installer is using an outdated RTSP URL, wrong...	Test the exact RTSP URL handed to the VMS, compare...

Timeline timestamps

Time	Event	Severity	Details

Time	Event	Severity	Details
00:00:00.000	ONVIF discovery verified outside this report	Info	Device reachable does not prove media URL validity
00:00:01.440	DESCRIBE returned unusable media path	Error	Selected profile did not produce a playable SDP/control URL