

ONVIF works but the RTSP URL fails

Summary: ONVIF discovery proves the camera is visible, but it does not prove the RTSP URL, credentials, stream profile, or media control path is usable.

Failure boundary: Device discovery succeeded, but RTSP DESCRIBE/SETUP did not reach a usable media session for the selected stream profile.

Evidence

1. Camera is discoverable through ONVIF
2. Selected RTSP URL fails at DESCRIBE/SETUP or exposes mismatched SDP
3. Alternate substream or vendor URL succeeds
4. The failure follows URL/profile handoff, not hardware visibility

Recommended fix

1. Test the exact RTSP URL used by the VMS
2. Compare main stream and substream URLs
3. Update the VMS camera profile or vendor URL template
4. Attach failing URL pattern and working alternate profile to support

Handoff note

This public sample shows the structure of an RTSP Inspector handoff report: RTSP control, SDP, RTP/RTCP, codec readiness, likely cause, and recommended fix.

Generated sample for Hannes Software RTSP Inspector. Use the desktop app to generate case-specific PDF, HTML, Markdown, JSON, and .risession evidence.