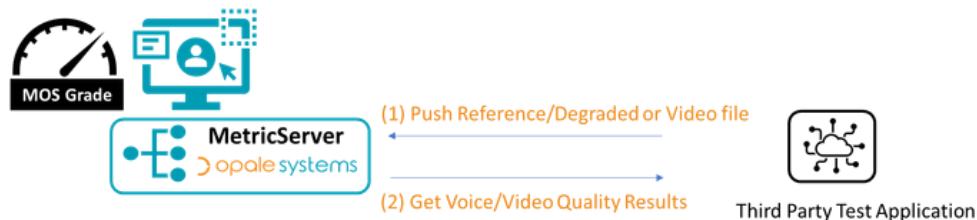


Opale MetricServer

Voice & Video Quality Analysis Solution

MetricServer bridges the gap between media transport and user perception. Through its scalable architecture, Opale MetricServer seamlessly integrates advanced **Speech and Video Quality Assessment** into third-party ecosystems, delivering comprehensive Quality of Experience (QoE) analytics across diverse applications, platforms, and software architectures.



Easy Integration with 3rd Party App

Using the **platform-independent API**, MetricServer Standard can be incorporated into any proprietary test system. Reference and degraded speech files are passed to MetricServer and results are returned via API or stored in a database.

Simple steps and a logical workflow

1. Specify the location of speech files
2. Create or use a predefined metric profile
3. Define how to retrieve results
4. Run MetricServer
5. Analyse results

Two packaging options

MetricServer is available in 2 versions:

MetricServer Standard

A multi-probes Windows-based application with a configuration web interface, database to store results and API to interface with third-party probes. Targets Service Providers, Integrators and Mobile Carriers who need to monitor Voice and Video services metrics.

MetricServer Quality Engine (QE)

A micro-service providing Voice Quality analysis extension. It is a Windows service listening on a TCP port. Audio file pairs and profile parameters are passed through the request. Results in JSON format are returned through the same TCP socket. No user interface nor configuration required.

Voice Analysis

- ▶ **MOS Score & Signal Analysis**
PESQ, POLQA®, VISQOOL, KPI, Noise & Speech Level analysis
- ▶ **Bulk Processing / High Scalability**
50,000+ speech per day
- ▶ **Flexible Packaging**
Standalone App. or 100% API based

Video Analysis

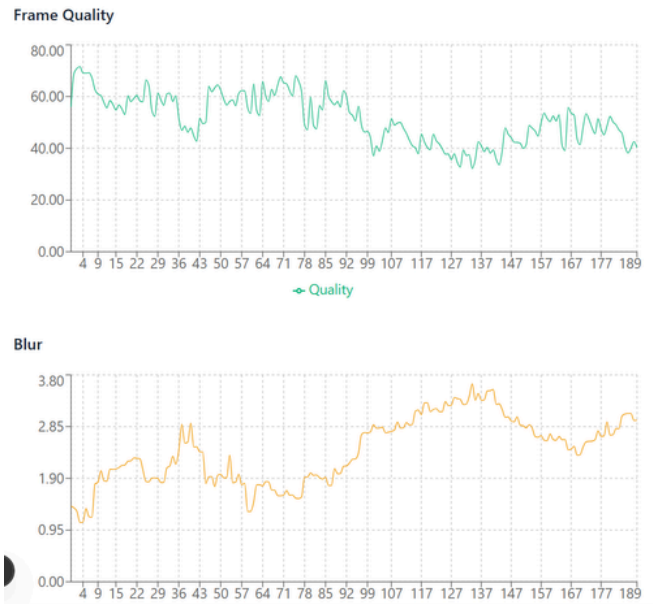
- ◀ **Streaming and OTT validation**
Post-processing video quality assessment
- ◀ **Unified Communications**
Batch processing of recorded meetings for quality monitoring
- ◀ **Mission-Critical Video**
Emergency services and public safety video archive verification

MSQE - Video Quality Assessment

MSQEV delivers comprehensive post-processing video quality assessment without requiring reference material, making it ideal for streaming content validation, unified communications analysis, and mission-critical video verification.

Through file upload or batch processing, MSQEV analyzes encoded video content to provide actionable quality metrics across **MPEG-2, H.264, and HEVC** codecs.

Whether validating recorded broadcasts, analyzing video conference recordings, or certifying emergency communication archives, MSQEV ensures thorough quality assessment with **flexible deployment options**.



Technical Facts

Feature / Item	MetricServer QE	MetricServer Standard
User Interface & APIs	TCP Socket API (JSON over HTTP)	Web UI + Python API Database storage
Voice Analysis	Yes (PESQ, POLQA, P.56)	Yes (PESQ, POLQA, P.56)
Video Analysis	Yes (Option) MOS Video, Blur, Blockiness, Jerkiness, Contrast	No
Supported Codecs (Video - QE option)	MPEG-2, H.264, HEVC	N/A
Media Files	Audio file pairs 8k-48k	8k-48k sample rate .wav / PCM files
Voice Analysis KPIs	MOS Score, Signal Latency Speech loss, Noise level	MOS Score, Signal Latency Speech loss, Noise level
Processing	micro-service Synchronous or Asynchronous File Upload, Batch Processing	Batch + background jobs
Platform	Windows (Linux)	Windows 11
Results Export	JSON (HTTP response)	JSON, CSV Dashboard, API

Contact Information

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