Convert Your non-DICOM Data Easily

MODALIZER+™

MODALIZER+ is a professional-grade solution for the acquisition, conversion, validation, and transmission of non-DICOM assets into the clinical imaging ecosystem. It provides a robust framework for bridging unstructured data - HD video, multi-format imagery, and PDF documentation - with IHE-compliant PACS/RIS workflows.

Technical Case Studies

- **Point-of-Care Imaging:** Capture high-resolution clinical photography and link directly to patient records via Modality Worklist (MWL) integration, ensuring accurate encounter documentation.
- **PACS Administration:** Utilize the Advanced QA toolset to resolve "broken studies," edit incorrect patient IDs across entire series, and reconcile mismatched metadata.
- Robust Multi-modality DICOM Viewer and PACS Workstation with measurements and annotation tools.
- Add full stack DICOM functionality to legacy non-DICOM equipment on the budget.
- **Admissions & Front Desk Workflow:** Rapidly scan patient questionnaires and referral letters and import them into the PACS.Validate and Import to the PACS external patient prior examinations (DICOM and Non-DICOM CD/DVD/USB).
- **Surgical Video DICOM Converter and PACS Import Tool:** Convert long-form endoscopic or surgical video into DICOM using HEVC compression, maintaining 4K clarity while minimizing the impact on PACS storage arrays.
- **Clinical areas:** ER, Dermatology, Radiology, Endoscopy, Ophthalmology, Visible-light imaging workflows, Forensic & Biomechanics

Start small. Scale fast.

- **Site License (New in V7):** Enterprise-wide deployment with no seat caps, designed for facility-wide standardization.
- **Volume Package:** Discounted bundles for purchasing 10+ packages, designed for teams or departments scaling.
- **Single unit:** Per-workstation model for targeted clinical use. Annual/Monthly subscription.

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Data Integration & Protocol Stack

- **Advanced Media Conversion:** Native DICOMization of MPEG-2, MPEG-4, JPG, PNG, and PDF.
- **Next-Gen Video (V7):** Native HEVC (H.265) support for high-fidelity surgical/endoscopic capture with 50% storage optimization over AVC.
- **Direct Acquisition Interface:**
  - **TWAIN/WIA:** Seamless integration with document scanners.
  - **DirectShow/UVC:** Real-time capture from digital cameras and endoscopes.
- **Full DICOM Node Services:**
  - Verification SCU/SCP,
  - Storage SCU/SCP,
  - Storage Commitment SCU.
  - Query/Retrieve SCU,
  - Modality Worklist and MPPS SCU.

Technical Specifications

- **OS Support:** Microsoft Windows 10, 11.
- **Environment:** .NET Framework 4.8;
- **Display:** Minimum 940x640 pixels
- **Resource Requirements:** 1GHz CPU (Multi-core recommended); 1GB RAM; 40GB disk space (HD or SSD).

New in Version 7

Metadata Orchestration & QA

- Batch DICOM Header Modification: Execute global tag edits at the Study or Series level for rapid demographic reconciliation.
- Validation Workflow: "Review & Commit" staging area to audit metadata changes before database injection.
- Universal Preview: Integrated Non-DICOM Image Viewer for JPG/PNG/PDF/MPEG/HEVC to verify source data integrity prior to conversion.

Enterprise Infrastructure

- Identity Management: Active Directory (AD) integration for centralized authentication (SSO).
- Multi-User Station Support: Optimized for high-traffic clinical environments; supports rapid user-switching without terminating background network processes.
- Cybersecurity: Secure DICOM over TLS 1.2 for encrypted PHI transport.
- Media Management: Integrated DICOM CD/DVD burning with DICOMDIR generation and built-in Lite Viewer.