*ingest*LINE™ PICO

FrameLector PICO

The NOA FrameLector Pico bundles software and hardware to form an independent stand-alone ingest system. It contains proven technology as well as NOA's latest developments in hard- and software engineering.

The combination of NOA's ingestLINE™ application FrameLector™, the VTRi hardware, the optimized N6080 workstation, and the included PicoService introduce the possibilities and standards of professional high-quality video ingest for the use with small to medium size archives, but as well as on-demand add-on in the existing digitization operations of large institutions.

GET THE PICO!

THE ENTRY ARCHIVE TRANSFER SOLUTION.

CONSISTS OF

FrameLector Software

VTRi Hardware

N6080 Workstation

PicoService

BENEFITS

Prevents you from erroneous transfers

Eases your on demand archival ingests

Substantially lowers maintenance costs on replayers (reactive maintenance of Betacam and IMX machines)

Very low entry hurdle for technicians and archivist to digitize their video archive on demand.

Low Turnkey entry price

AT A GLANCE

Dual-Channel Video Ingest System

RF and ISR machine read out

Recording to mathematically lossless internal working format

Export to most common production formats

Turnkey standalone entry system

Excellent entry solution for video archiving

NOA FrameLector

FrameLector™ is an ingest system that provides a simple and intuitive user interface for efficient and quality controlled transcription of video tapes. As an easy-to-use ingest tool that combines built-in shot detection and recording into a mathematically lossless open-source working format in either 8bit or 10bit, FrameLector™ allows users to capture SD material - along with its required metadata such as VITC and LTC timecode - with complete transfer quality logging based upon ISR and RF.

Other features include remote control and an infinitely scalable multistream parallel solution with complete previewing. It supports two parallel ingest sources and connects peripherals through SDI. A separate customized hardware provides RS-422, RS-232, and RF readout via a simple USB port.

FEATURES AT A GLANCE

- Dual-channel ingest on one workstation

- Analog and digital sources - SD material archiving in 4:2:2, (720x576, 720x608, 720x480, 720x502), 8/10 bit

- Lossless digitization towards working format (HuffYUV, FFvHuff)

- Target production formats via PicoService

- Built-in shot detection

- RF Logging towards Diagnostics trace

- USB Extension box for RF-signals/RS422/RS232

- ISR Logging (Interactive Status Reporting)

- Multichannel audio up to eight channels in 48kHz/24bit

- Fully workflow-integrated video archiving client

- Multipreview of incoming streams and large preview in RGB mode

- Play while record

- Automatic TimeCode marker function via TC Cue List import

- Option for setting different TC References (VITC/LTC)

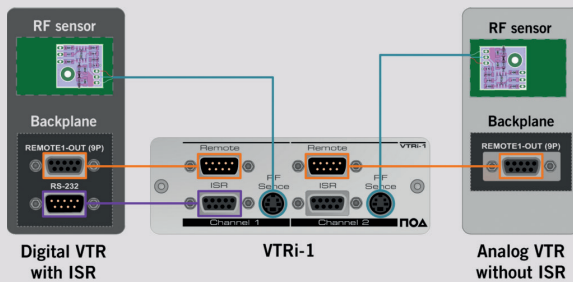- Easiest handling via task list check-in and check-out
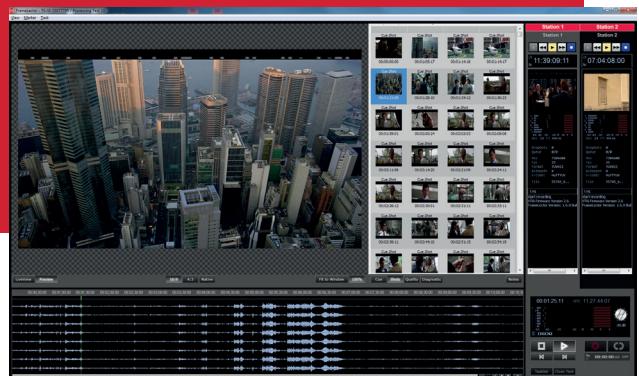
FrameLector displaying relevant SDI source information and descriptive metadata about timecode and quality of recorded content on one single screen.

VTRi Hardware

The NOA VTRi-1 box offers following functions for two ingest channels:

VTRi HARDWARE

Remote control of VTRs using Sony 9-pin protocol

Read-out of Sony Interactive Status Report protocol while ingest (information of audio/video condition and errors)

Read-out of RF-levels from the VTR tape while ingest via the separately delivered VTRis modules

VTRi control via FrameLector™ over one connection (compatible with USB1.1 and USB2.0)

N6080 FrameLector Host

To ensure best results for SD video ingest, NOA FrameLector Pico includes the optimized N6080 FrameLector Host workstation.

FEATURES AT A GLANCE

• Rackmounted 4U form factor

• Xeon E5 1620v3

• 16 GB ECC RAM

• Dual Graphic Card

• Gigabit ethernet

• 2 x 600 GB 10 K SAS data drives

• Dedicated boot drive

• Win7 Pro (English) pre-installed

• 2-channel OEM SDI video capture card

• System tuning for video transfer

FrameLector PICO

ΠOΔ

PicoService

PicoService turns your PC into a single stand-alone digitization and workflow system. Pico workflows allow to produce a list of current digitization jobs, process digitization tasks as required, and manage automated post processing and delivery.
You can choose from pre-configured templates or edit them for your requirements. Pico provides the delivery of content in standard exchange formats like FFv1 AVI or MXF-D10. It allows to embed metadata and to provide them separately in a customizable XML format.
Moreover, PicoService cleans up all temporary data after successful completion of a process. As extended options, PicoService allows to import pre-configured job batch lists and provides a command line interface to integrate 3rd party applications.

Ingest + Archive Format

FrameLector Pico

NOA FrameLector™ Ingest Station captures 8bit/10bit native stream and creates a local lossless working format

PICO!

Pico service creates a target file from a lossless working format

Target Format Examples:
FFv1 8bit/10bit (AVI)[1]
IMX D10 (MXF)[2]
DV/DVPro25/50 (MOV)[2]
Uncompressed 8bit/10bit (MOV)[2]
H.264/MPEG-4 AVC (MP4)[2]
etc.

[1] natively implemented
[2] via 3rd party encoder, licence not included

PicoService AT A GLANCE

• Runs and controls pre-defined capturing workflows

• Ingest - Transcode - Finalize

• Clean Up of outdated files

• Import of job-lists

• Easy to use, easy to install, easy to maintain / low hardware requirements

• Administer over simple Management Console

• Customize pre-defined workflows (import/export/duplicate/change)

• Status updates over API possible - allows the integration for Media Asset Management solutions

• Digitise to mathematically lossless compressed format

• Support for IMX50 D-10 in MXF, 8/10bit lossless FFv1 in AVI, 8/10bit uncompressed in MOV

• Insert point for custom transcodings via command-line with rich parametrization

• Included with FrameLector™

WWW.NOA-ARCHIVE.COM