MIST

APPLICATION
workflows

MIST Application Workflows

real-time RAW debayering with Mosaic engine
real-time primary color grading
real-time rendering with Jazz engine

Reference Mnoitor

AATON©

ARRI®

Blackmagicdesign

PHANTOM

RAW Recorder

Digital Camera

CF

RAW

ARRIRAW
Adobe DNG
Cine Files
R3D

SHOOTING
METADATA
(ALE, FCP XML, EXIF)

MIST mobile

CUSTOM
3D LUT
SUPPORT

PROXY

DNxHD 36
H264
PRORES

DATA

DPX / TIFF
IMF PACKAGE
RAW BACKUP
JPEG2000

PDF

automatic
PDF report
generation

ALE export
FCP XML export

On-site Security
BackUps

HD LIVE MONITORING

Native read and real-time de-Bayering of RAW footage including ARRIRAW, Phantom Cine files, Adobe CinemaDNG

Real-time playback of the RAW data up to 5K (RED Epic with REDRocket™)

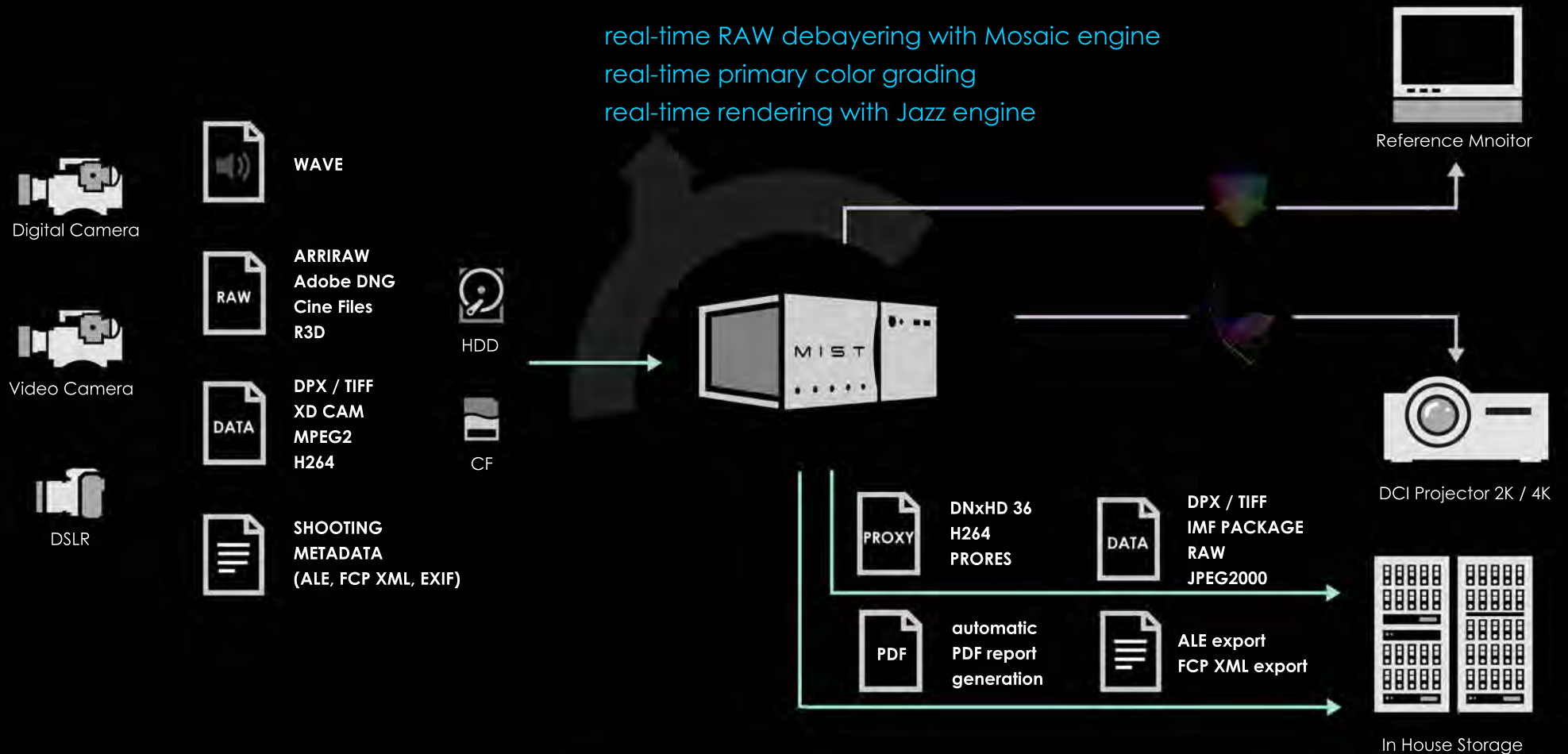Back-ups and data integrity controls

Real-time primary grading and RAW parameters adjustment in the same color pipe-line

Support of custom 3D LUT for monitoring

Batch rendering capabilities for the proxy versions (H264, ProRes, DNxHD…) for editing and reviewing

3G SDI SD/HD

Ethernet / Fiber Channel, USB

MIST   DAILIES CREATION & MANAGEMENT

real-time RAW debayering with Mosaic engine
real-time primary color grading
real-time rendering with Jazz engine

Reference Mnoitor

Digital Camera

WAVE

ARRIRAW
Adobe DNG
Cine Files
R3D

HDD

Video Camera

DPX / TIFF
XD CAM
MPEG2
H264

CF

DSLR

SHOOTING
METADATA
(ALE, FCP XML, EXIF)

DCI Projector 2K / 4K

PROXY **DNxHD 36**
H264
PRORES

DATA **DPX / TIFF**
IMF PACKAGE
RAW
JPEG2000

PDF **automatic**
PDF report
generation

ALE export
FCP XML export

In House Storage

Native support of all data formats & playback in real-time

Ability to mix file formats and resolution in the same timeline

Auto-synchronization of audio tracks with the image layer
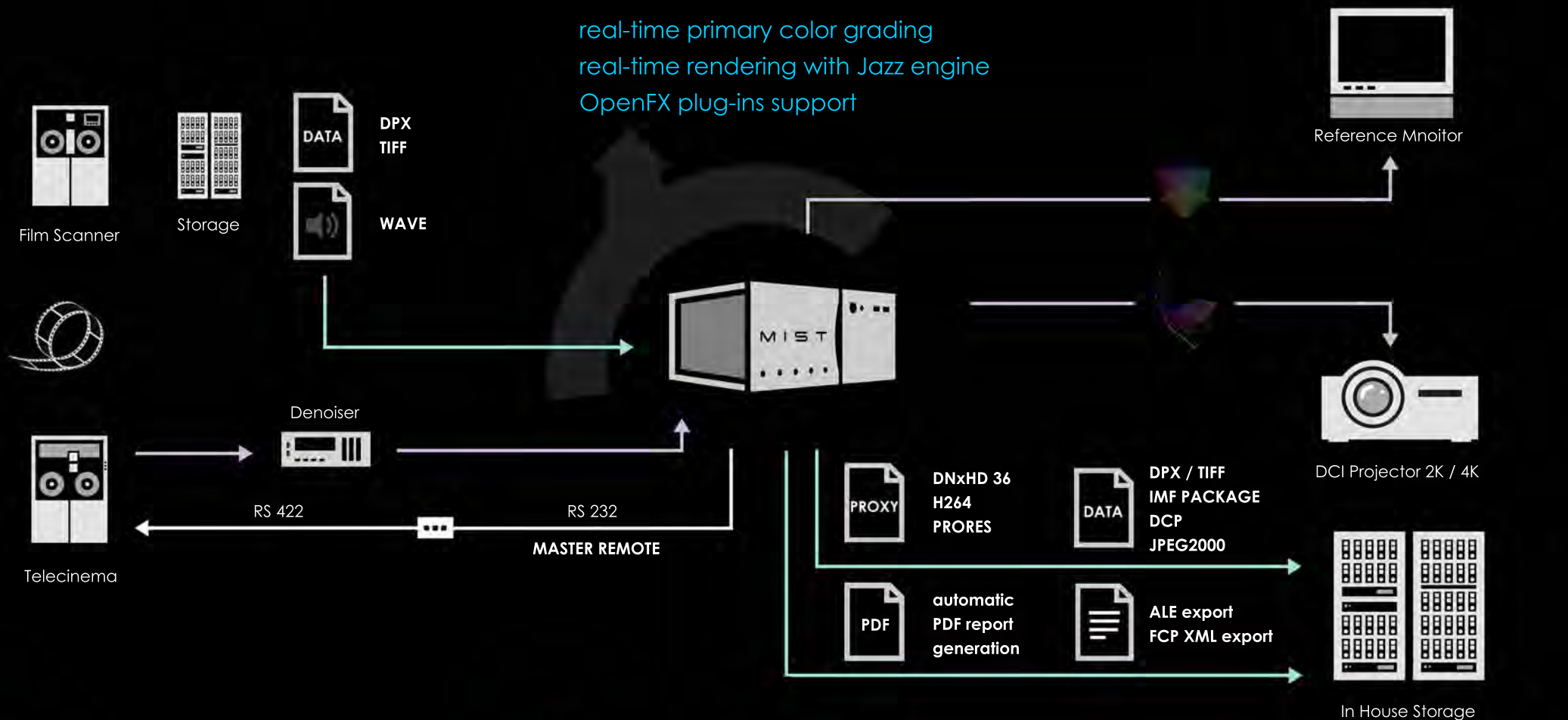
Login & Comments per clip handled as metadata

Burn-ins (aspect ratio, time codes, metadata)

Real-time generation of proxies for editing (H264, ProRes, MXF DNxHD…)

→ 3G SDI SD/HD

→ Ethernet / Fiber Channel, USB

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MIST FILM DAILIES CREATION & MANAGEMENT

real-time primary color grading
real-time rendering with Jazz engine
OpenFX plug-ins support

Reference Mnoitor

DPX
TIFF

WAVE

Film Scanner   Storage

MIST

Denoiser

DCI Projector 2K / 4K

RS 422   RS 232

MASTER REMOTE

Telecinema

PROXY — **DNxHD 36**
H264
PRORES

DATA — **DPX / TIFF**
IMF PACKAGE
DCP
JPEG2000

PDF — **automatic**
PDF report
generation

ALE export
FCP XML export

In House Storage

Native ingest of data formats & playback in real-time at original resolution

Ability to mix file formats and resolution in the same timeline

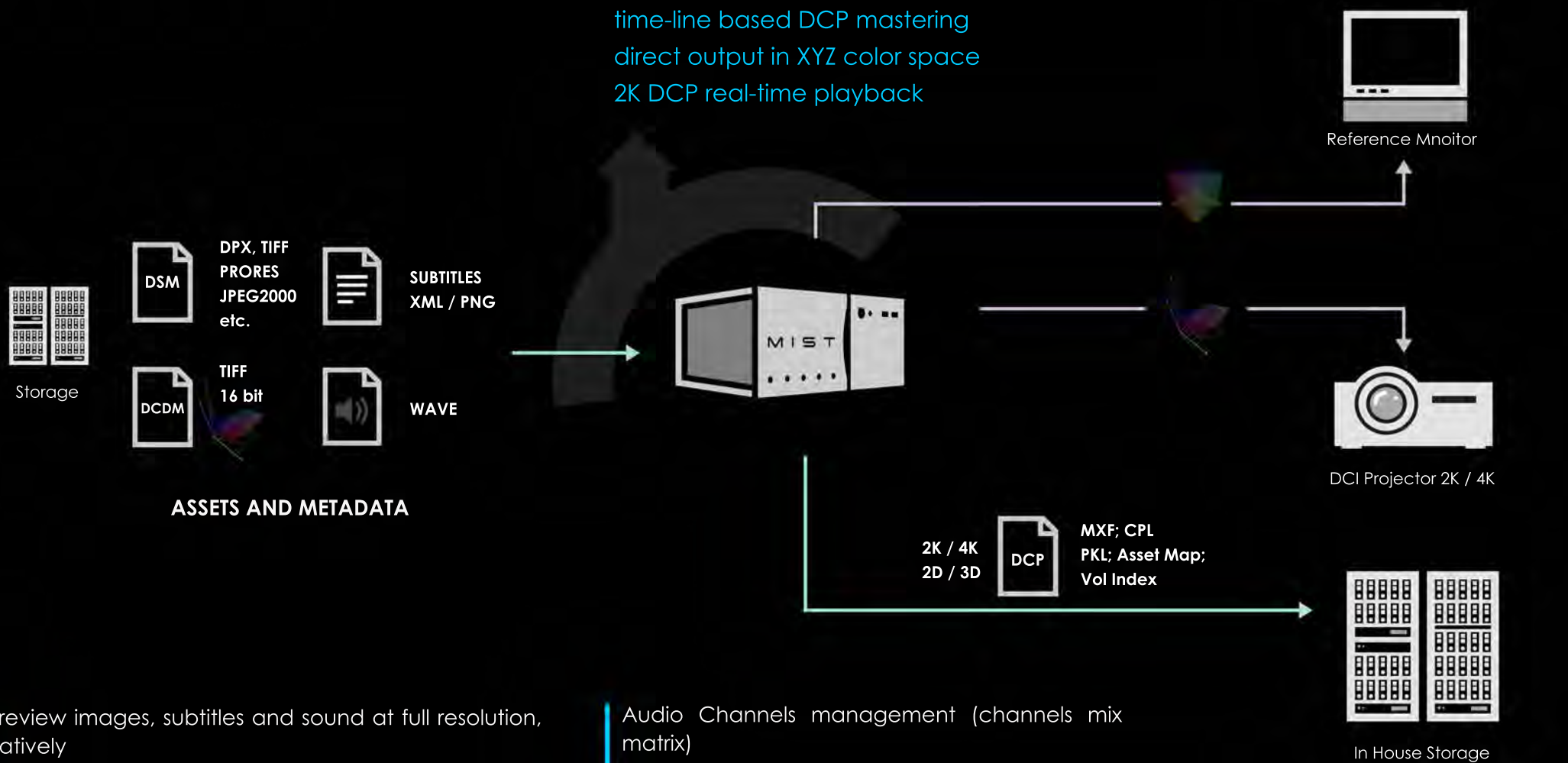Auto-synchronization of audio tracks with the image layer

Remote control of Telecine with Sony 9-pin protocol & image capture

Login & Comments per clip handled as metadata

Burn-ins (aspect ratio, time codes, metadata)

Real-time generation of proxies for editing (H264, ProRes, MXF DNxHD…)

3G SDI SD/HD/HSDL

Ethernet / Fiber Channel, USB

MIST

time-line based DCP mastering
direct output in XYZ color space
2K DCP real-time playback

Reference Mnoitor

DSM — DPX, TIFF PRORES JPEG2000 etc.

SUBTITLES XML / PNG

DCDM — TIFF 16 bit

WAVE

Storage

MIST

DCI Projector 2K / 4K

ASSETS AND METADATA

2K / 4K 2D / 3D — **DCP** — MXF; CPL PKL; Asset Map; Vol Index

In House Storage

Preview images, subtitles and sound at full resolution, natively

Perform quick editorial tasks with MIST's editing features (slip, slide, trim)

Easy conforming of mastering clips like rating screen or production visuals

Adjust and place subtitle files in 24 or 25 FPS, and choose between image burn-in or a DCP packaging
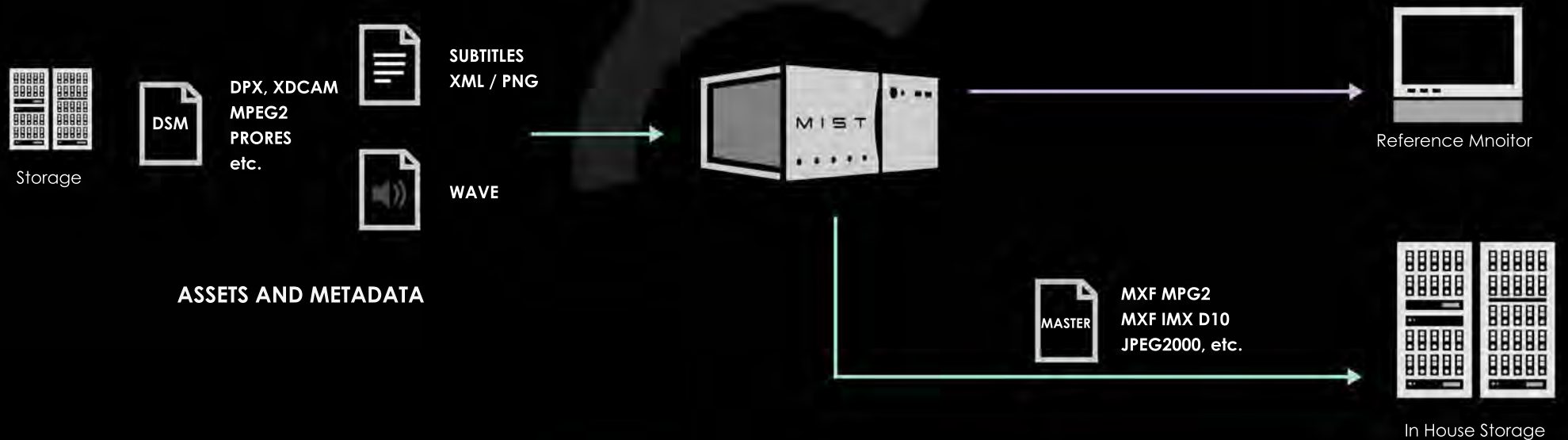
Audio Channels management (channels mix matrix)

DCP real-time playback

DCP versioning made easy with the possibility to modify any metadata file or asset (video and audio)

Track essence encryption and Key Delivery Message creation (KDM)

3G SDI SD/HD

Ethernet / Fiber Channel, USB

M I S T MASTERING FOR BROADCAST

time-line based mastering
resizing, downconvertion to HD

Storage

DSM

DPX, XDCAM
MPEG2
PRORES
etc.

**SUBTITLES
XML / PNG**

WAVE

ASSETS AND METADATA

MIST

Reference Mnoitor

MASTER

MXF MPG2
MXF IMX D10
JPEG2000, etc.

In House Storage

Preview images, subtitles and sound at full resolution, natively

Perform quick editorial tasks with M I S T's editing features (slip, slide, trim)

Easy conforming of mastering clips like rating screen or production visuals

Audio Channels management (channels mix matrix)

Master versioning made easy with the possibility to modify any metadata file or asset (video and audio)
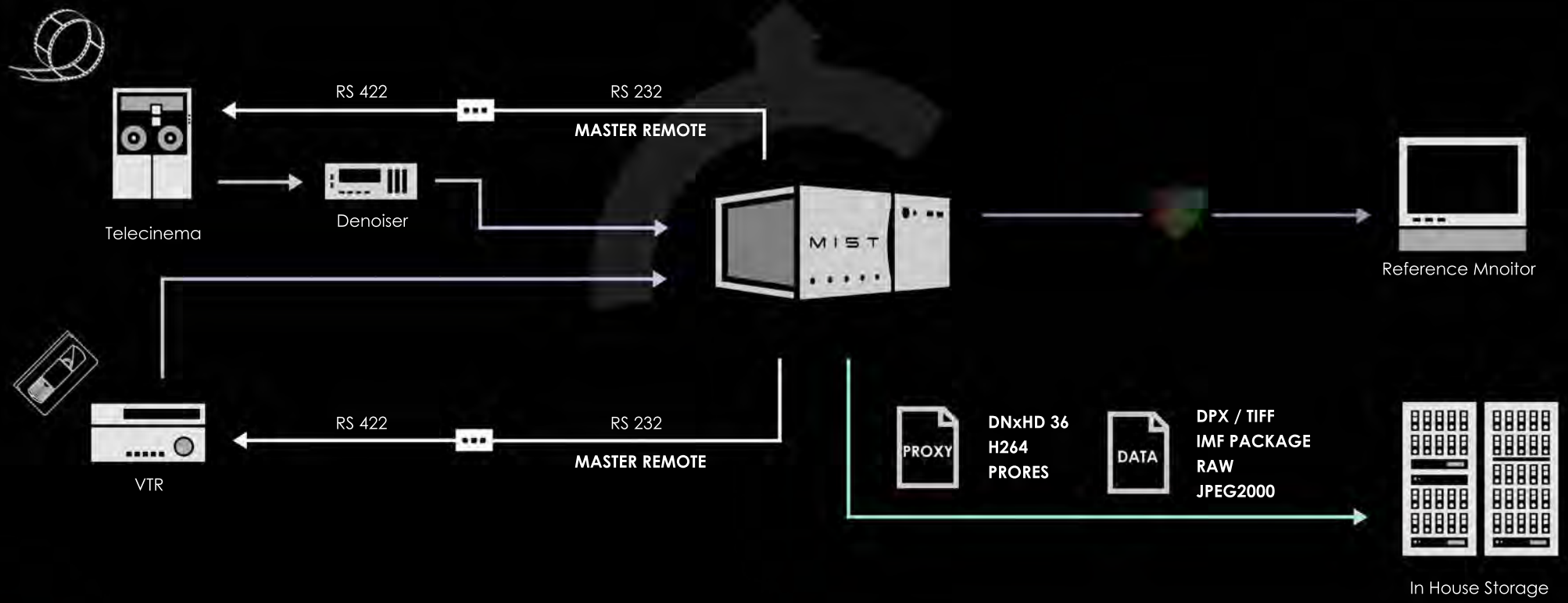
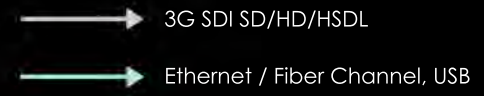Adjust and place subtitle files in 24 or 25 FPS, and perform an image burn-in

3G SDI SD/HD

Ethernet / Fiber Channel, USB

MIST   TELECINE & VTR TRANSFERS (video to data)

real-time primary color grading
real-time rendering with Jazz engine
OpenFX plug-ins support

RS 422   RS 232
MASTER REMOTE

Telecinema   Denoiser

Reference Mnoitor

RS 422   RS 232
MASTER REMOTE

VTR

PROXY   DNxHD 36   DATA   DPX / TIFF
         H264   IMF PACKAGE
         PRORES   RAW
                             JPEG2000

In House Storage

Remote control of the Telecine using Sony 9-pin protocol

Remote control of the VTR using Sony 9-pin protocol

Image capture in 2K HSDL when supported by the telecine

Real-time Primary grading and resizing

→ 3G SDI SD/HD/HSDL

→ Ethernet / Fiber Channel, USB

MIST   VTR EMULATION (player)

DPX / TIFF
IMF PACKAGE
RAW
JPEG2000

DATA

DNxHD 36
H264
PRORES

PROXY

ARRIRAW
Adobe DNG
Cine Files
R3D

RAW

WAVE

Storage

Reference Mnoitor

MIST

DCI Projector 2K / 4K

VTR crash record

3G SDI SD/HD/HSDL

Ethernet / Fiber Channel, USB
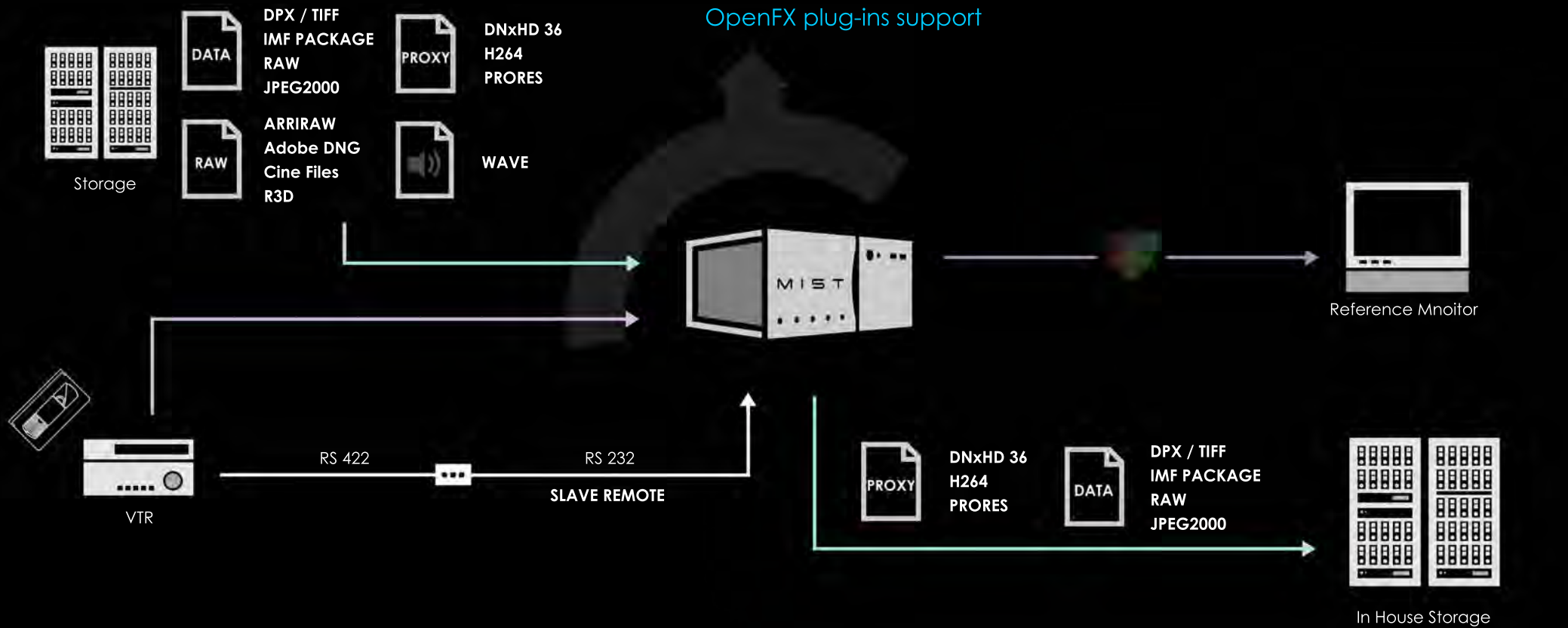
RS 232   RS 422

SLAVE REMOTE

VTR Master record
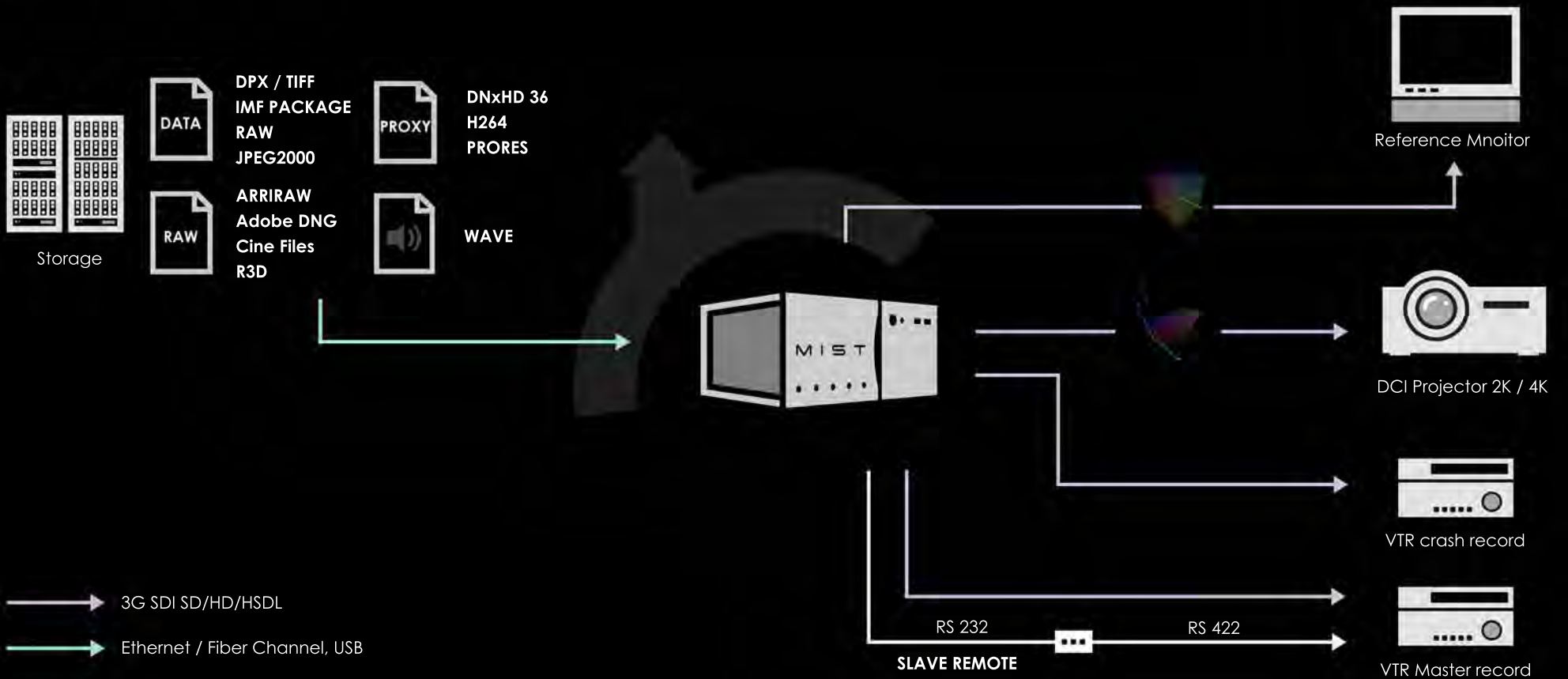
MIST VTR EMULATION (recorder)

real-time primary color grading
real-time rendering with Jazz engine
OpenFX plug-ins support

DATA
DPX / TIFF
IMF PACKAGE
RAW
JPEG2000

PROXY
DNxHD 36
H264
PRORES

RAW
ARRIRAW
Adobe DNG
Cine Files
R3D

WAVE

Storage

Reference Mnoitor

MIST

RS 422   RS 232
SLAVE REMOTE

VTR

PROXY
DNxHD 36
H264
PRORES

DATA
DPX / TIFF
IMF PACKAGE
RAW
JPEG2000

In House Storage

3G SDI SD/HD

Ethernet / Fiber Channel, USB

Remote control of the VTR using Sony 9-pin protocol

IReal-time Primary grading and resizing

MIST   FILM & TAPE RESTORATION WORKFLOW

real-time primary color grading
real-time rendering with Jazz engine
OpenFX plug-ins support

Reference Mnoitor

Film Scanner
Storage

DPX
TIFF
DATA

WAVE

Denoiser

MIST

DCI Projector 2K / 4K

RS 422   RS 232
MASTER REMOTE

Telecinema

VTR crash record

RS 232   RS 422
SLAVE REMOTE

RS 422   RS 232
MASTER REMOTE

VTR

VTR Master record

DPX / TIFF
JPEG2000
METADATA
DATA

IMF PACKAGES
IMX D10
MPEG2
MXF DNxHD
DATA

DNxHD 36
H264
PRORES
PROXY

MAM / Long term Storage

Visualisation / Delivery Storage

3G SDI SD/HD/HSDL

Ethernet / Fiber Channel, USB

MARQUISE
TECHNOLOGIES