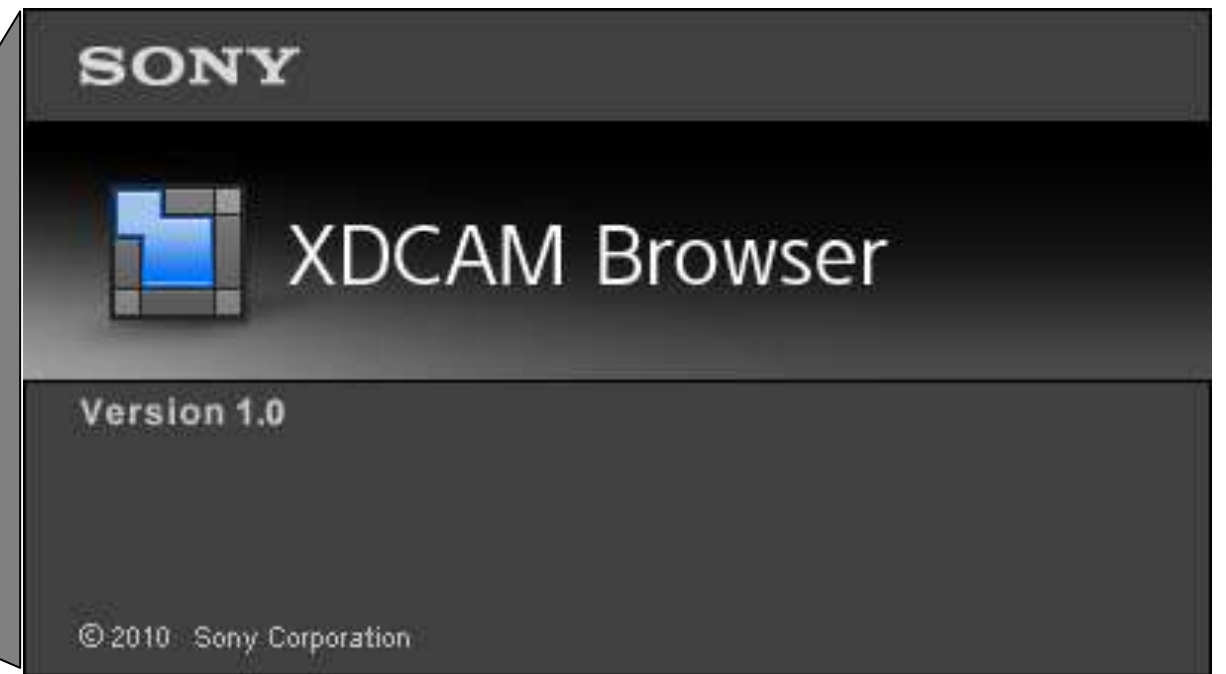


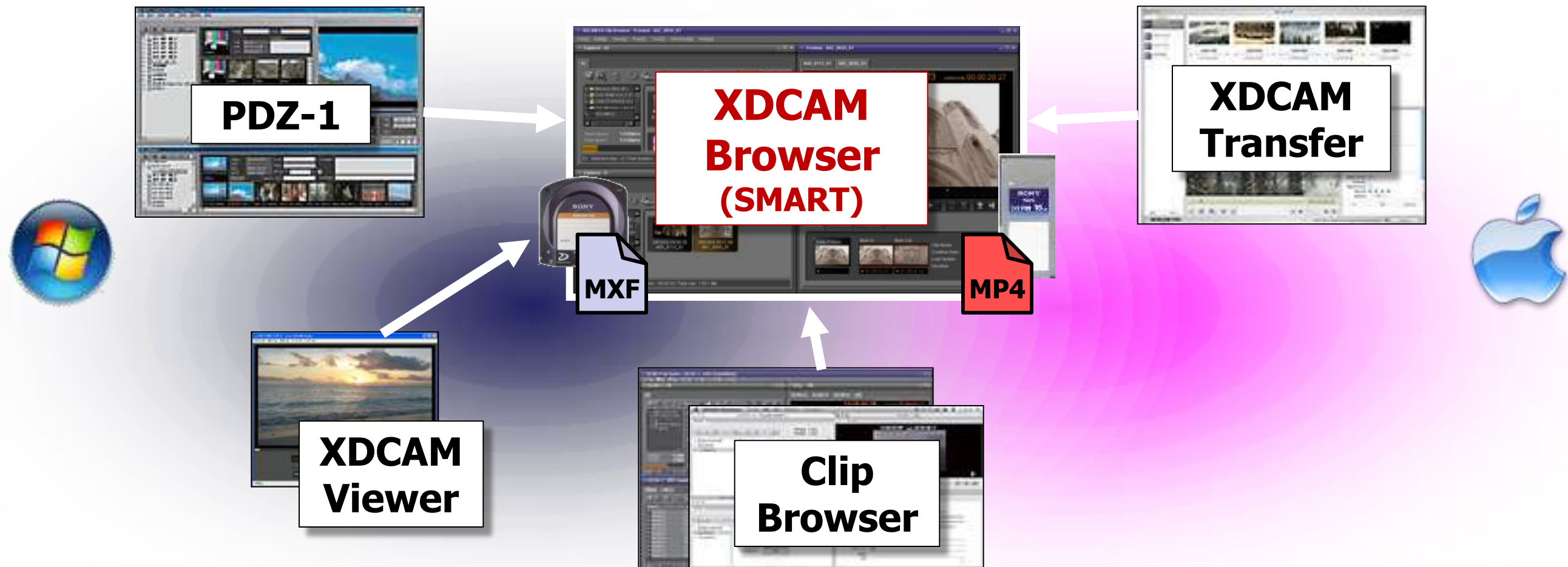
# XDCAM Browser



# Overview

# Concept

- New browsing software for XDCAM series
  - Integrating current four applications



# Benefits

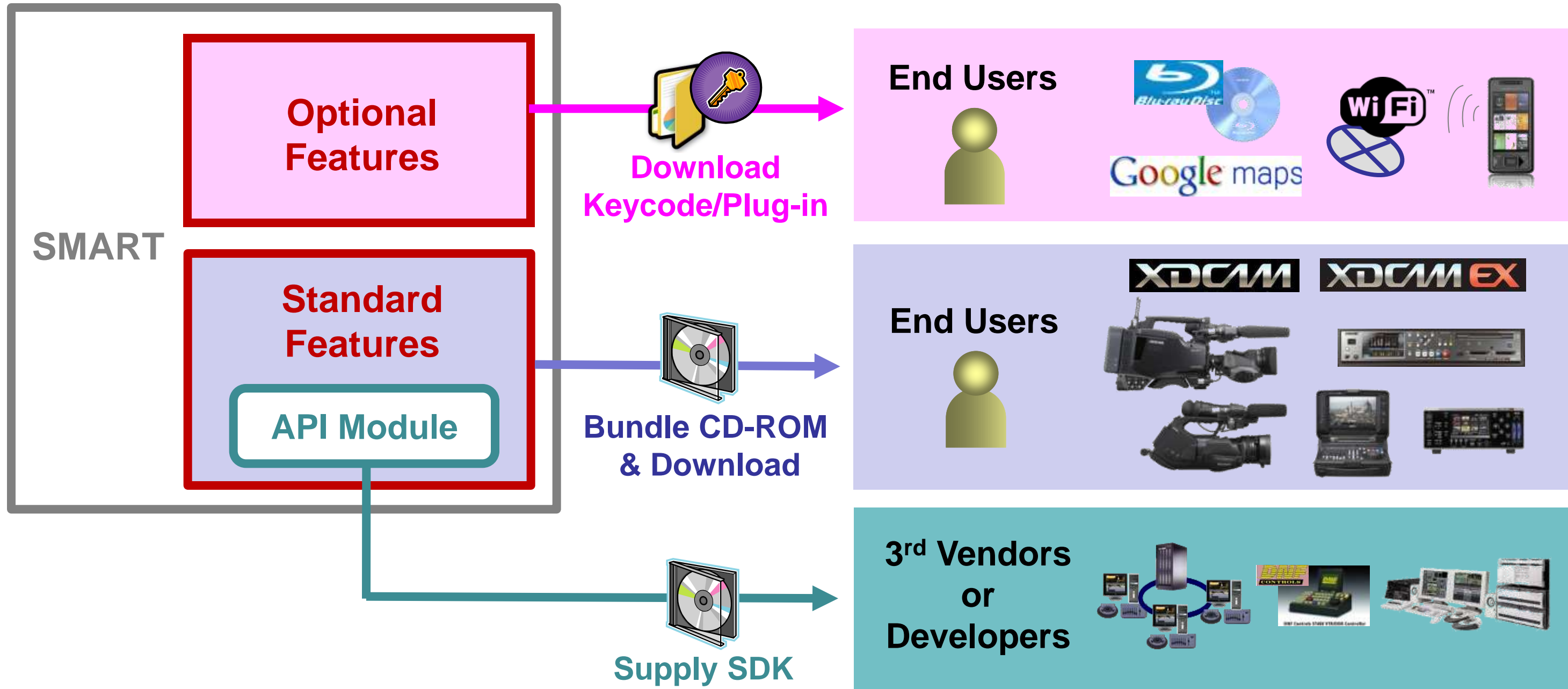


## Customers

Single software makes  
the customer workflow  
simple, easy & efficient

- HD & SD
- MP4 & MXF (High-res/Proxy)
- Windows & Mac OS

# Basic Structure



# Versions

- Version 1.0 is now publically released
- Version 1.1 is now publically released
- Version 2.0 to be released in April 2011

# Standard Features (Free)

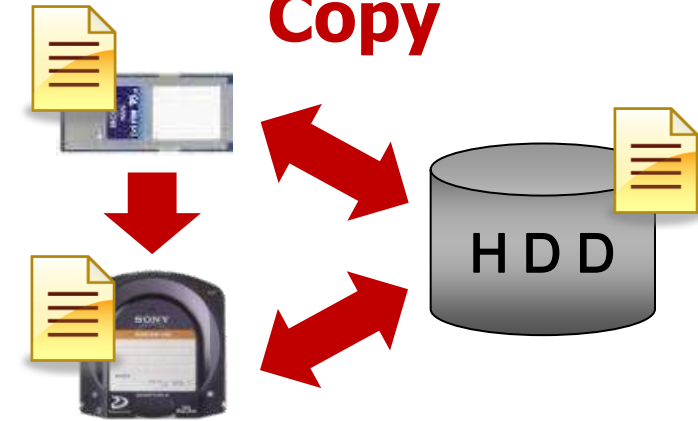
## Browsing



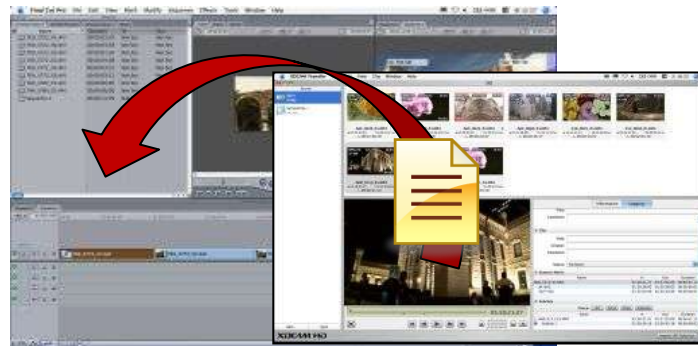
## Viewing



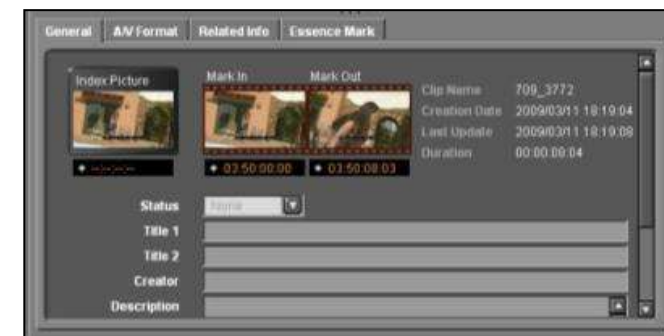
## Copy



## Bridge to NLE



## Metadata (Basic)



## SxS Formatting

## Cut Edit (EDL)

## Flash Band Correction

## XDS Related Features

# Optional Features (Charged)

SONY

## Advanced Feature Pack

- NEW** Burning to BD/DVD
- NEW** GPS Data Link
- NEW** Loop Playback
- Capture Still Image
- Print of Clip Information
- Acquisition Meta Display



Live Viewing/Logging

- NEW** Planning Metadata

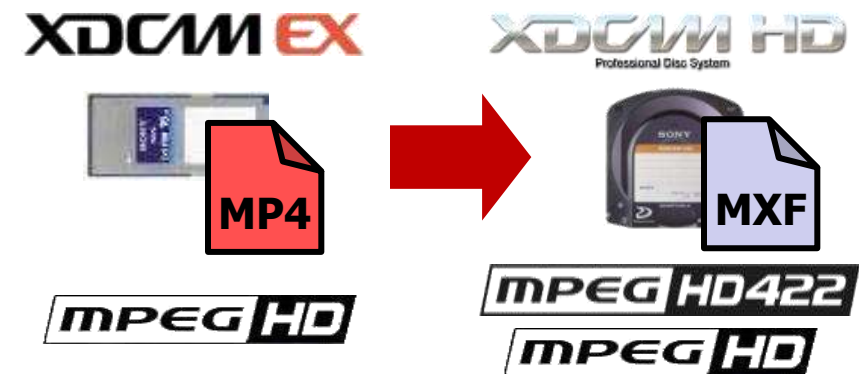


Pack #1



## Conversion Pack

Bridge from SxS to Pro.Disc





Pack #2

Video Sharing / Mobile Viewing

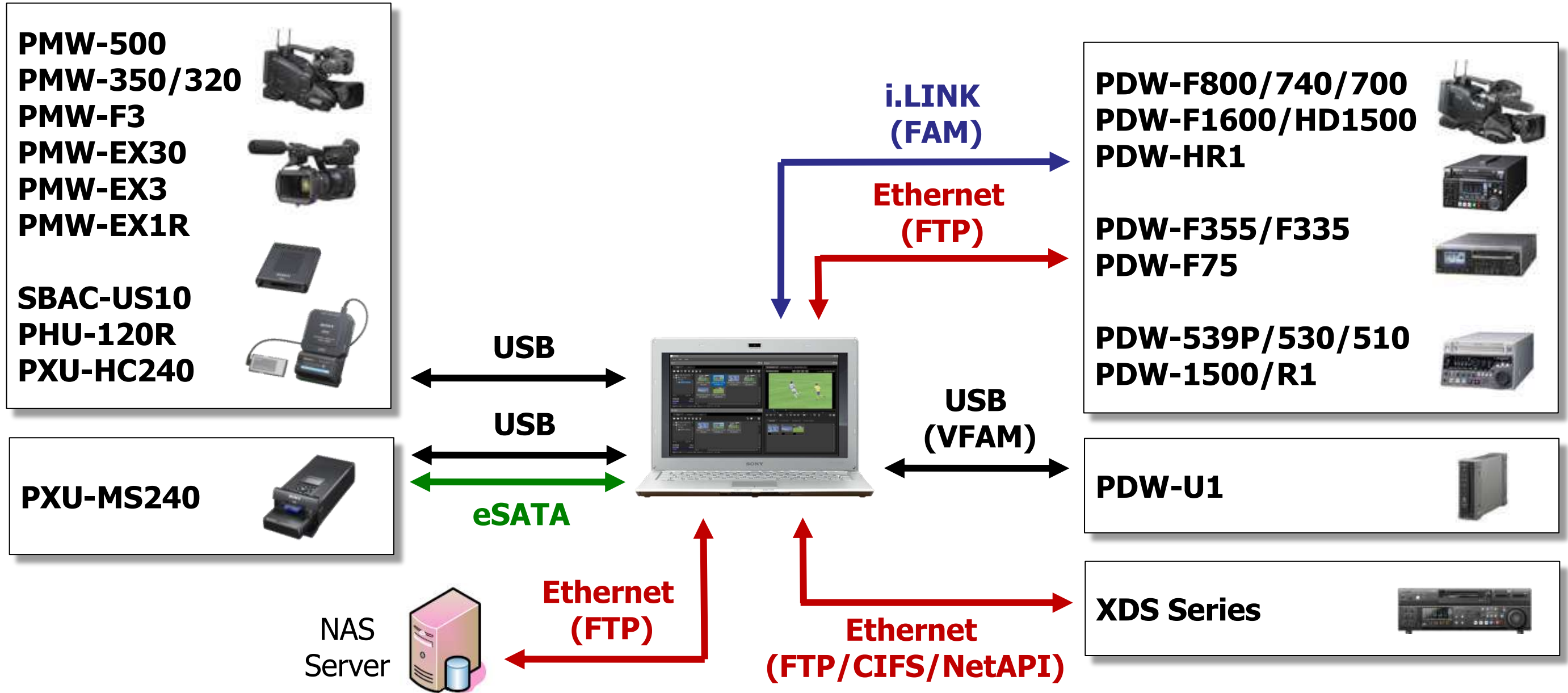


# Hardware & Software Requirements

Item		
<b>OS</b>	Windows 7 (64bit/32bit) Windows Vista (SP1) (64bit/32bit) Windows XP (SP3) (32bit)	Mac OS X 10.6 (Snow Leopard) Mac OS X 10.5.1 (Leopard)
<b>CPU</b>	Intel Pentium 4 – 2.0 GHz (Intel Core 2 Duo – 2.0 GHz recommended)	Intel Core 2 Duo – 2.0 GHz (Intel Core 2 Duo – 2.4 GHz recommended)
<b>Memory</b>	1GB (2GB recommended)	1GB (2GB recommended)
<b>Display</b>	Resolution : 1280 x 768 (WXGA) recommended	Resolution : 1440 x 900

**GUI Language :** English, Japanese and Chinese (under study)

# Compatible Equipment



# GUI Design





























- “Pro-UI” adopted as common GUI design for Sony professional tools (both Windows & Mac)

- Basic layout inherited from well accepted Clip Browser

- Storyboard window provided at the bottom for Cut-Edit function

# Features Summary (1/2)

-  : Newly supported
-  : Supported on Clip Browser or PDZ-1
- : No support

Category	Features	File Format (clips)			Support Timing
		MXF	MP4	AVI	
Standard	Browsing				Ver 1.0
	Viewing				
	Copy				
	Bridge to NLEs				
	Metadata (Basic)			-----	
	Flash Band Correction	-----			
	<b>SxS Formatting</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span>				Ver 1.1
	Cut Edit (EDL)		-----	-----	
	<b>Remote Control Panel (XDS)</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span>				Ver 2.0
	<b>Clip Copy</b> (XDS) <span style="background-color: red; color: white; padding: 2px;">NEW</span>				

NOTE : Playback on clips with Voice Over (made on PDW-HR1) is supported on Ver 2.0 as standard function.

# Features Summary (2/2)

-  : Newly supported
-  : Supported on Clip Browser or PDZ-1
-  : No support

Category	Features	File Format (clips)			Support Timing
		MXF	MP4	AVI	
Pack #1 (optional)	Burn to BD/DVD <span style="float: right;">NEW</span>	-----	✓	✓	Ver 2.0
	GPS Data Link <span style="float: right;">NEW</span>	✓	✓	-----	
	Loop Playback <span style="float: right;">NEW</span>	✓	✓	✓	
	Capture Still Image	✓	✓	✓	
	Print of Clip Information	✓	✓	✓	
	Acquisition Metadata Display	✓	✓	-----	
	Live Viewing & Logging	✓	✓	-----	
	Planning Metadata <span style="float: right;">NEW</span>	✓	✓	✓	
Pack #2 (optional)	Conversion to XDCAM Files	-----	✓	-----	Ver 1.0
	Conversion to IT Files	✓	✓	-----	

# Main Features

# Standard Features (Free)

- **Browsing**

- Thumbnail display
- Management of spanned files
  - 4GB/2GB (due to FAT system)
  - Over multiple SxS cards

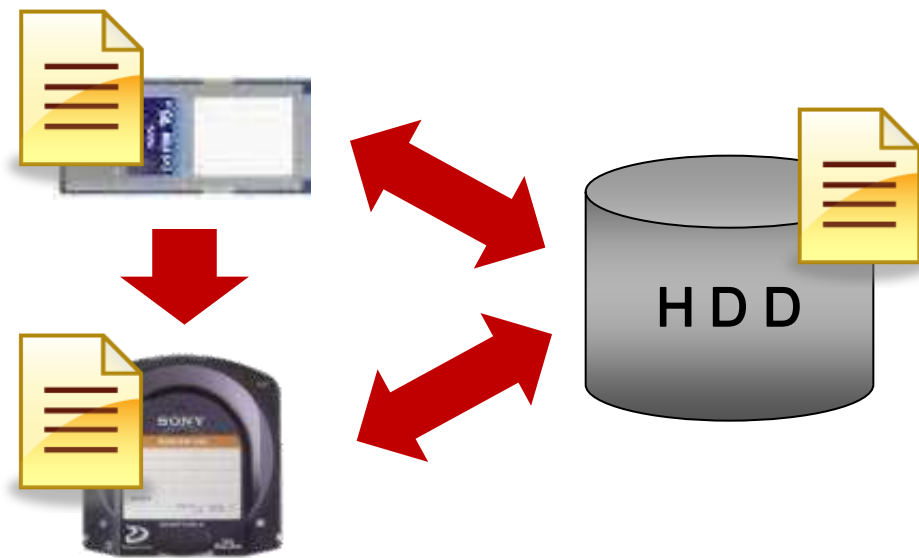
- **Viewing**

- Video/Audio playback
- High-Res / Proxy switchable (MXF)
  - Including FAM/VFAM connection



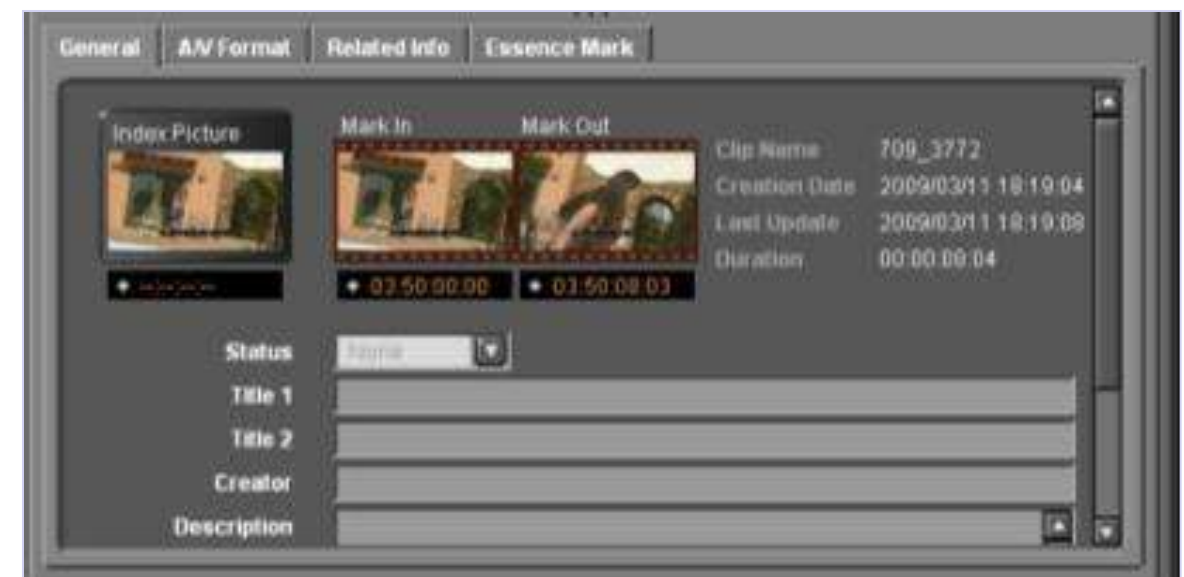
# Standard Features (Free)

- **Copy (between media)**
  - Copy selected clips (Media A to B)
  - Volume copy (all the clips)



- **Metadata (Basic)**
  - Browsing & Edit OK/NG, Essence Mark, text information
  - Browsing Planning Metadata\*

\* Creating / Editing Planning Metadata is available as optional feature

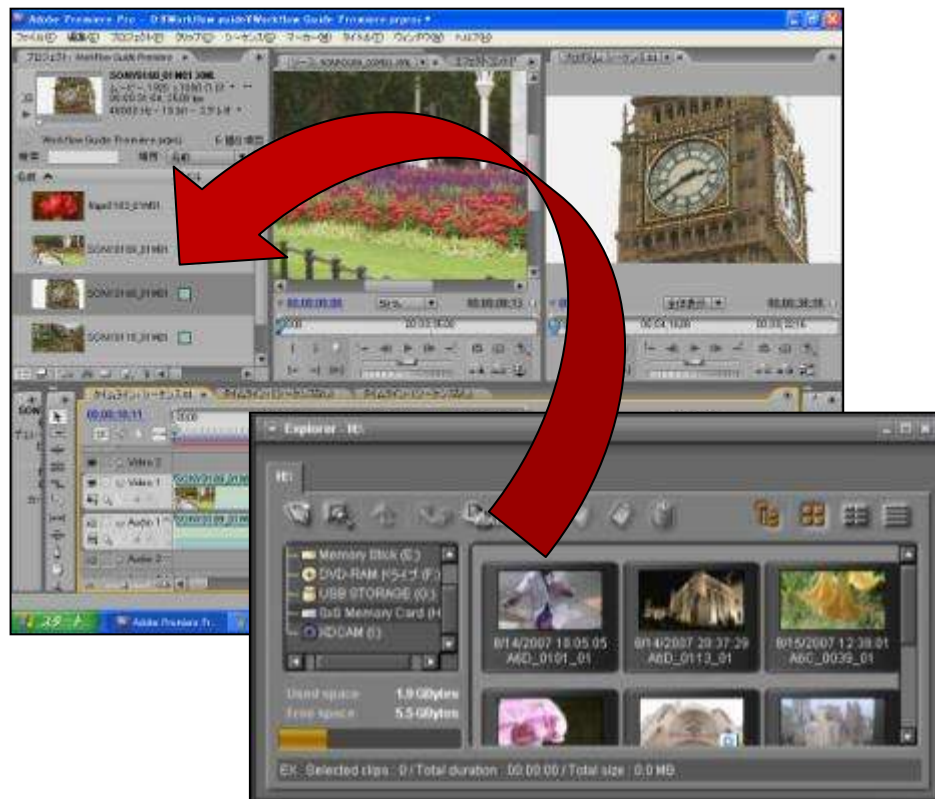


# Standard Features (Free)

- Bridge to NLEs
  - Import clips to the bin on NLEs

**Drag & Drop**

For Adobe / GV (Canopus)



**Select Clips then  
Click 'Import' Button**

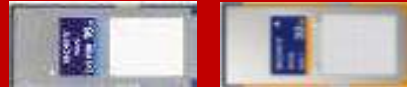

For Apple (equivalent feature to XDCAM Transfer)



# Standard Features (Free)

- **SxS Formatting** NEW
  - Offered according to new UDF format support
  - New “Full-erase” mode for copyright management

PDW-U1 Utility Software  
to be used

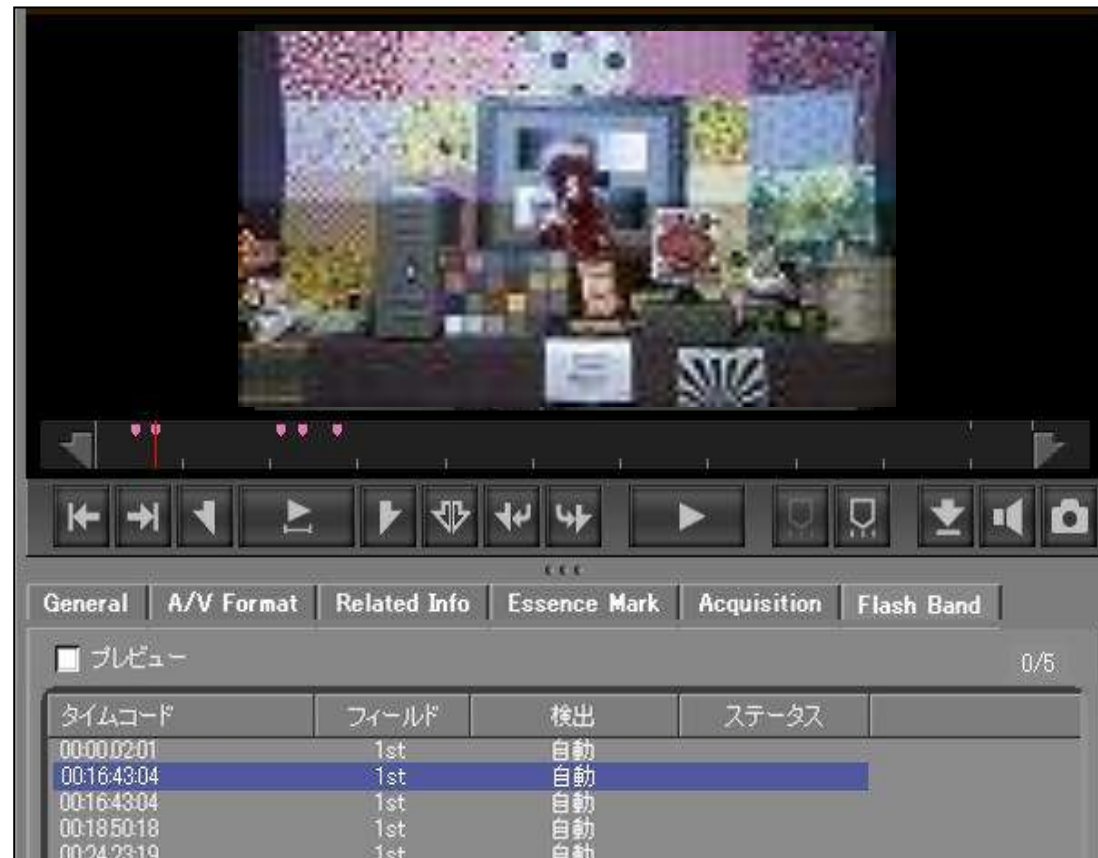
Function		SxS 	Professional Disc 
Formatting	Mode	✓ (Simplified / Full-Erase*)	✓ (Simplified)
	File System	✓ (UDF / FAT*)	✓ (UDF)
Life Indication		✓ (SxS-1 only)	-----
Data Recovery		-----	
Error Detection		-----	✓
Finalize (for QL -R disc)		-----	

\* Full-Erase mode and Formatting to FAT plans to be supported on Ver 2.0

# Standard Features (Free)

- **Flash Band Correction**

- (same feature as Clip Browser V2.6)



- **Cut Edit (EDL)**

- Seamless playback\* of multiple clips
- Export ClipList as AAF file (compatible with Avid NLEs)

\* Playback performance is based on best effort



**“Storyboard” window**

# Standard Features (Free) – for XDS Series

- **Remote Control Panel**
  - SDI Rec & Play controlled via Ethernet



- **Clip Copy (inside the machine)**
  - Copy selected clips e.g. from SxS to built-in HDD controlled via Ethernet



# Optional Features (Charged)

- **Capture Still Image**
  - Output BMP file from any frame selected
  - 'Frame' / 'Field' selectable



**BMP file**

# Optional Features (Charged)

- **Print of Clip Information**

- Output XML file
- Browse / Print on Internet Explorer (Windows) or Safari (Mac)

Disc Information : DISC-UserDiscID

ClipProperty			
	DiscID	7A0F8600204905	UserDiscID
	Title1		EM /
	Title2		TotalDuration
	Video Format		CreationDate
	Audio	CH	Creator
	Comment		

	File name	Clip1111111111	Status
	Title1	HD422 1080 60i	EM 1/126
	Title2		Duration TC表記
	Video Format	MPEG2 HDLong 25Mbps 1440x108050i	Creation Date 2008-05-23T10:53:24+09:00
	Audio	16bit LPCM/ 2CH	Creator aaaaa
	Comment	コメントが入ります。コメントが入ります。コメントが入ります。コメント	

	EM	
	Timecode	00:00:12:21
	Comment	コメントが入ります。
	...	...
	...	...

	File name	Clip2	Status
	Title1		EM 5/126
	Title2		Duration TC表記
	Video Format	MPEG2 HDLong 25Mbps 1440x108050i	Creation Date 2008-05-23T10:53:24+09:00
	Audio	16bit LPCM/ 2CH	Creator
	Comment	2分Duration	

- **Acquisition Metadata Display**

- (same feature as Clip Browser V2.6)
- MXF clips are newly supported as well as MP4



# Optional Features (Charged)

- **Live Viewing & Logging**
  - Viewing video & audio on live (Not available for MP4/AVI clips)
  - Write metadata while shooting

## 1) via WiFi (wireless)



WiFi

Write metadata (real-time)

Live transmission of video & audio



## 2) via Deck (wired)

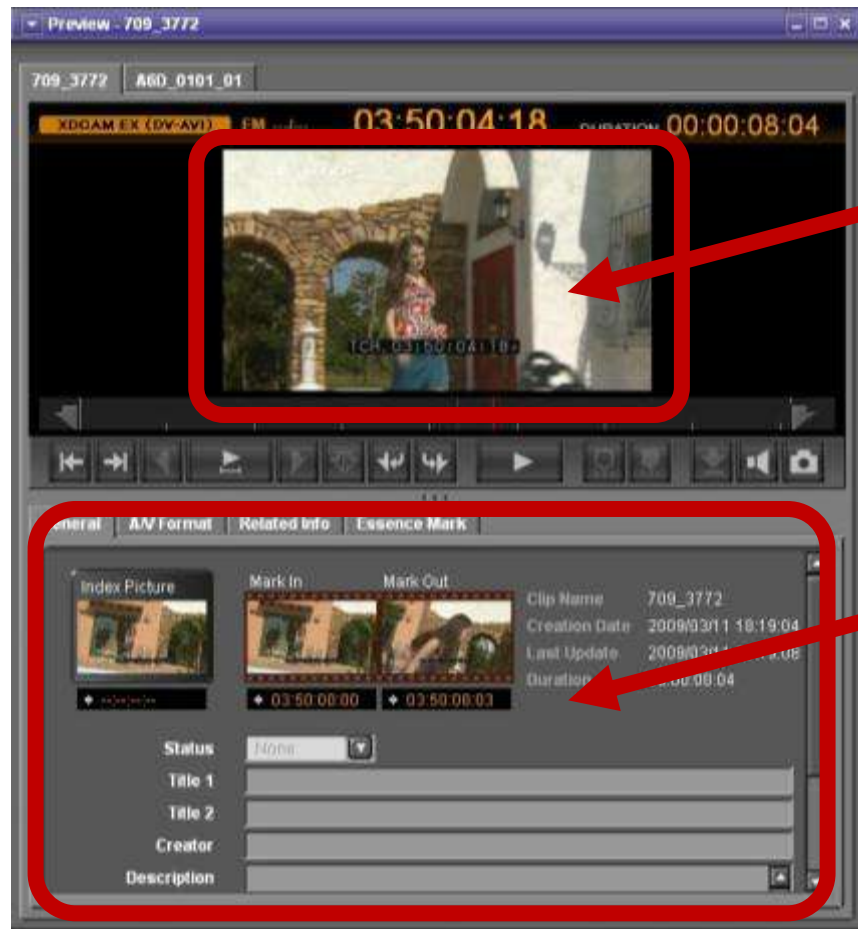


HD-SDI



GbE (FTP)

Write metadata (real-time)



**Live Video**

**Write Metadata**  
- **OK/NG**  
- **Essence Mark**  
- **Comments**  
- **etc.**