

# Quantel DI White Paper

The DI business Model

Techniques & technology for profitable DI

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Digital Intermediate is now firmly established as the fastest growing area of Post. There are huge opportunities for Post houses and Laboratories to offer a range of profitable new services at HD, 2K, 4K and stereoscopic 3D.

This paper has been put together for those thinking of becoming involved in DI. It is based on the real world experiences of established profitable DI houses who have used Quantel systems to produce over 1,000 films.

Leading DI facilities worldwide such as Ascent, Centro, Cinecitta, Company 3, Deluxe, Fotokem, Goldcrest, Peter Jackson's Film Unit, George Lucas's ILM, Lipsync, Modern Video Film, MPC & One Post all use Quantel iQ or Quantel Pablo.

The paper discusses how practical technology issues about DI relate to making it a successful business. Successful DI houses know that DI is not a technology - it is a business. The technology is there to support the business model, not vice versa.

If you are involved in DI at any level or are thinking of becoming involved, I hope you find this white paper useful and thought provoking. If you wish to share information or have any questions, please feel free to contact me at <a href="mark.horton@quantel.com">mark.horton@quantel.com</a> and feel free to disagree – we'd welcome debate on any of the points raised.

Detailed technical background information on DI can be found in the Quantel Digital Fact Book and Quantel Guide to Digital Intermediate at <a href="http://www.quantel.com/DFB">http://www.quantel.com/DFB</a>

For more information on Stereoscopic 3D go to:

http://www.quantel.com/resource.nsf/Files/3D+White+Paper+(Feb08)/\$FI LE/3D+White+Paper+(Feb08).pdf

Mark Horton June 2008

# What do we mean by DI?

DI is often incorrectly understood as the digital assembly and colour correction of movies. Companies that set up their DI business in the early days of the technology primarily on the basis of colour correction have either left the business or have changed their approach. Relying on a single customer for a single large payment on a single project – or on a single revenue stream - puts a DI house in a weak negotiating position. True DI workflows encompass several or all parts of the digital film pipeline, starting with pre-visualisation, on through assembly, colour grading, clean-up, effects, titles and mastering, with trailers, promotions DVD creation and extras as related areas. Restoration is a closely related business to DI and often Post houses and Labs offer parallel Restoration services.

While digital colour correction of movies is an important part of DI, any company or any manufacturer who has focused on that alone is exposed to the usual dangers of over specialisation, as some have already found to their cost. That's why leading DI houses have worked together with Quantel to build workflow business models based around a more comprehensive DI approach. True DI allows the film maker economies on the whole film project and allows DI houses multiple revenue streams from each project:

- Production budgets (e.g. previs, on set digital services),
- Post Production budgets (scanning, clean up, color grading, effects, titles)
- Marketing budgets (trailers, teasers, electronic press kits)
- Distribution budgets (mastering and versioning, subtitling, DVD creation)

True DI as a business model has other benefits for Post houses and Laboratories:

- It's a robust growth business
- DI activity can leverage other group services (film processing, duplication)
- DI activity can leverage other in house skills (VFX, editorial)
- Infrastructure and expertise requirements limit competition
- Potential investors see more potential cash flow and more spreading of risk

True DI has a 'best fit' of chargeable services for which a DI house can be paid from the different film budgets. Relative budget levels vary depending on the type of movie but there is always money allocated to marketing and distribution potentially available to a DI house, especially the lucrative deliverables market:

Dailies Previs	Assembly Repairs Effects & Titles Colour Grading	Trailers EPKs	Deliverables
Production	Post Production	Marketing	Distribution

## How are companies moving into DI?

Film Laboratories are now offering DI as a natural extension of their chemical/optical services. DI can 'feed' the existing Lab film printing business and also position the Lab for future digital projection services. Where the Lab is part of a group that includes DVD or duplication services, there is also an excellent tie in.

For Post houses there are a several strategies for moving into DI. Some Post houses have been offering services to film makers since their beginning – anything from screening dailies to digital effects. DI is a logical next step, especially for post houses with VFX skills that already produce substantial digital content for movies. Now they can offer a full package of digital services from DVD all the way up to 4K and Sterescopic 3D.

Post houses with colour correction expertise are offering sophisticated digital colour correction to film makers as an alternative to the simple colour correction possible in optical laboratory colour grading. Post houses with links to independent film makers can offer low cost, good quality movie post production based on Super 16 or HD acquisition.

There are many other strategies, with companies who originally offered titles, trailers or even audio successfully extending their services. DI is likely to become 'the' approach for all post production, requiring more than just colour correction from the systems involved. Why invest in one business when you could potentially be investing in many?

## What is the best way of doing DI?

This sounds like a simple question but, as we have seen, there are several routes to moving into DI and therefore important differences. The background of the company moving into DI, its client base, people and existing equipment are all important factors. So, beware of anyone offering simplistic solutions to DI before they take the time to find out what you are trying to do.

There is no 'best way' of doing DI. It depends on what you are trying to do. There are however two often overlooked requirements:

- Change handling. Synchronising last minute editorial/effects/color changes without major workflow problems.
- Mastering. Often the most profitable part of DI.

A good question to ask 'what kinds of things do I need to consider if I want to offer DI'. The business decision needs to drive the equipment decision:

- Do I want to invest in scanning in or recording out or can I create a partnership?
- Do I want to create a business relationship with a specific laboratory?
- How many of the DI services (previs, colour correction, clean up, assembly, titles, effects, trailers, mastering, deliverables) do I want to offer?
- Since the DI market is moving towards 4k (4096 x 3112) and Sterescopic 3D. Is there any point in investing in new equipment that really can't handle it?
- How many DI projects do I want to make per year?
- Will clients attend sessions or do I need to provide in house producers?
- If clients attend bookings, will rendering times be a marketing issue?
- Are my clients worried about using proxies?
- How will I be charging clients, especially for changes?
- Will my clients start using digital acquisition and if so which formats?
- Will my colourists come from Laboratory or Post backgrounds?
- If I purchase equipment for DI do I also want to use it in other applications?
- What existing equipment I have can be re purposed?

Once these and similar questions are considered, the next thing to consider is people.

#### The DI Human Factor

The relationship between a DI facility and its clients is critical to the success of the business. Clients will be excited to use DI but may also have reservations or misunderstandings about the DI process.

For a Post house, operating a DI facility is unlike traditional commercials, because of the much longer project time scales, the much higher levels of project management needed and the difficulty of charging by the hour. Colourists especially find that some clients need careful guiding through DI. The colourist wants the client to get the best result but the range of freedom that DI provides comes with a time/price dimension. Clients who are familiar with true real time traditional Post color correction systems like davinci or Pandora may find software systems rendering times frustrating.

For a Laboratory, unlike traditional colour timing the film maker now has virtually unlimited possibilities to change colour and even has last minute editorial and effects tools immediately to hand.

Some DoP's or Directors who are still suspicious of DI quality won't like working with proxies and increasingly will want to work at 4k rather than 2k.

Everybody wants the film maker to go away happy, so the client's expectations must be understood and the equipment and infrastructure must be able to deliver on time and on budget.

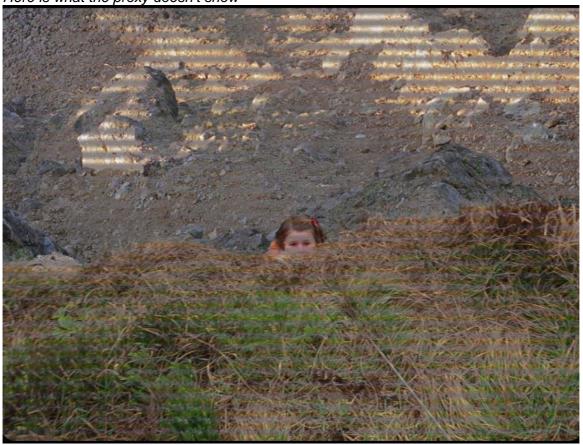
Overleaf is a simulated image fault in a 2K picture which would not be shown by a subsampled 1K proxy. This is an embarrassment for the client and a potential financial disaster for the DI house. Pablo and iQ don't use proxies.

Also, the close link between Pablo or iQ's editing, color, titling and effects tools means that clients have the option to work directly with the material in many ways without constantly moving between systems – exactly the kind of working environment that appeals to Directors who have come from a commercials or long form background.

1K Proxy of 2K original scan with simulated fault Everything seems OK - doesn't it?



Here is what the proxy doesn't show



### Acquisition & delivery formats for DI

While film remains the major acquisition format for DI, digital capture is increasingly important. A successful DI house therefore needs to service clients with both kinds of projects.

For film, LUT (look up table) tools should be comprehensive, offering both user defined and third party LUTs – Kodak, Arri and Cinespace are good examples of the latter. LUTs provide accuracy for judging film out colourimetry (and can show out of gamut warnings) but it's also important to judge digital projection characteristics and also how a project will look in HD and SD. Clients need to be confident that what they are seeing is what they will be getting. Quantel has extensive past & current experience in film and video colourimetry and with working with film scanner & recorder characteristics.

When working with digitally captured formats, a good DI operation needs the ability to work quickly and without compromising the material. Specifically this means handling HDCam and Varicam YCrCb (YUV) colour space correctly without clipping into an RGB cube, maintaining Arri D20 or Sony HDCam SR's RGB data without unnecessary transcoding to YUV, using Varicam's variable frame rate technology, handling RGB LOG FilmStream from Viper and working directly with MCF files from Tornado.

Also clients from time to time may want to use standard definition material – and they will want to do it at best possible quality, ideally without lengthy conversion times.

# **Technology architecture and DI**

Having looked at the critical factors for DI success - the range of services to be offered, client interaction and choices offered, the final issue is technology choices.

Very early DI houses used what few tools were available at the time – either repurposed VFX systems or early 'virtual telecines'. Although movies were made, capital costs were very high, workflow was very poor and profits were negligible.

iQ and later Pablo changed that situation. Most DI houses with iQ do the bulk of the DI image processing on the iQ itself using iQ's own previsualisation, conforming, colour correction, titling and mastering tools. Increasingly iQ is also used to perform day to day effects without the need to tie up other compositing resources. Third party systems such as scanners, telecines, offline, 3D, SAN or NAS systems and desktop compositing packages work via background networking with the iQ, contributing to the 'Master Timeline' of the movie.

The iQ Master Timeline holds all elements of the movie and enables editorial, effects and grading changes to be executed easily. New timelines can be derived from the Master Timeline for directors cuts, language versions, airline versions, trailers, DVD extras etc. without the making moving and managing media and metadata hassles of transferring between distributed systems. With iQ it isn't necessary for example to move work off the system just to add titles, make opticals, compare against an offline guide track or run against a modified film sound track.

This way of team working using the iQ gives DI post houses significant business advantages. Client changes can be accommodated relatively easily and a whole range of chargeable derivatives can be made efficiently.

#### Workflow and DI

The latest phase of the technology debate in DI is around storage architecture and how to best handle the very large amounts of data involved in DI. Several kinds of DI architecture under discussion today propose 'eliminating local storage'. Instead, a number of effects, color correction and editing packages would work directly on a SAN which is responsible both for storage and playback. The theoretical benefit is reducing time moving media between systems & reducing storage costs.

Storage architecture and workflow are important topics in DI and this is why Quantel created Genetic Engineering, an award winning shared workflow technology that can be used with or without a SAN or NAS to speed up teamworking on a project. For the companion white paper on Genetic Engineering, go to

http://www.quantel.com/resource.nsf/Files/genetic+engineering+white+paper/\$FILE/genetic+engineering+white+paper.pdf

## Non DI work in the DI business model

Last but not least, any DI house wants to maintain optimal use of resources. Film projects are very cyclical – like London buses you often wait for one for ages then three turn up at the same time. This can lead to 'boom and bust' cash flow. As we have seen, true DI allows the DI house - with the right equipment - to potentially offer lots of services at different points of the film's progress, from previz through colour grading, to trailer making and deliverables.

The range of services can be extended further. With the right equipment and workflow management, a well organised DI operation in a market with a limited number of films to

be serviced can also offer restoration work, HD long form services and general post production between film projects. In this case, it is important that the people - and the equipment - have the ability to work on conventional post production projects such as commercials or long form. Investors like this approach as it has regular cash flow and efficient asset utilisation. Significantly the DI house also isn't over reliant on a single payment from a single customer which can otherwise give a weak negotiating position.

#### DI in conclusion

Building a DI business model that works always starts with the question 'what are we trying to do?' before asking anything else. Successful DI businesses like many other enterprises, are based on a combination of business acumen, people handling skills, infrastructure and technical expertise.

Quantel DI systems are found everywhere from small post houses making occasional movies to the very largest film laboratories. Go to any cinema today and the chances are some or most of the films have been helped to the screen by our customers. Our business model has been developed together with our customers – it works because it takes into account the differing needs of different people.

I hope you have found this White Paper useful.

If you wish to contact me, please drop me a line at <a href="mark.horton@quantel.com">mark.horton@quantel.com</a>

# Appendicies:

# Some of the 1,000 plus movies helped by iQ, eQ and Pablo

Movie Awards/Festivals

1,000 Years Lake 15' Zondergrond

28 Days Later 66

A Different Loyalty A Home at the End of the World

Glaad Media Award Nominee

A Letter to True A Message from Outer Space

Aachi & Ssipak Acacia

Catalonian International Film Festival Winner, Pusan Film Festival selection

Academy After the Sunset

Alfie

Golden Globe winner, BFCA winner Ali Zaoua, Prince De La Rue

Amiens Int Film Festval Winner, Mannheim-Heidelberg Int Film Festval Winner, Golden Bayard

Nominee, St Louis Film Festival Winner, Golden Slipper Winner

Alias

Joseph Plateau Box Office Award Winner Aliens of the Deep

All the Invisible Children Alla Bara Forsvinner

Alpha Dog America's Heart and Soul

Aquitania Askepop

Robert Film Festival nominee

Astérix & Obélix: Mission Cléopâtre August: A Moment Before the Eruption

Berlin International Film Festival winner

À mains nues Babbas Bilar BachelorMan Bad Boys 2

Visual Effects Society Award nominee, Golden Globe nominee, BFCA nominee, Venice Film

Festival nominee Baileys Billion\$

DGC TReam Award Nominee Barrio Cuba

Battle in Heaven (Battala en el cielo) Behind the Mask

Being Julia

Golden Kinnaree Award Winner Beowulf & Grendel

Billabong Odyssey Birth

Black Kiss (Burakku Kisu) Blind

Block Party Blood

Bloom Blush

Bobby Jones, Stroke of Genius

Goya Award nominee Bodysong

British Independen Film Awards winner, Rotterdam International Film Festival nominee

Bokar Rinpoche Borkman

Born into Brothels

Oscar winner Boy with a Backpack

BraceFace Brandi Breakfast on Pluto (Trailer)

Breiablick Bridge

Broad Daylight Broadway Dans La Tete

Buitenspel Bullet Proof Monk

Cannes Film Festival nominee

Bunker Paradise Bunshinsaba

Cake Cantando dietro i paraventi

Won David Di Donatello Award

Capturing the Friedmans Carambole

Caras de Carton Carlo

Leuven Int Short Film Festival Winner

Carlo's Twist Cashback (short film)

Academy Award Nominee

Casomai

Oscar nominee, Sundance Film Festival winner Cat's Cradle

Ceasar

Oscar nominee, BFCA winner, American Cinema Editors nominee Chasing Lucky

Cheong yeon Children Underground

Chromophobia Chunnyunho

Golden Trailer Award winner

Clifford's Really Big Move (Animation)

Golden Globe winner, BAFTA nominee, Cannes Film Festival nominee Closer

British Independent Film Awards nominee, European Film Awards nominee

Code 46

Golden Globe, BAFTA, Oscar nominee Collateral

Comme Tout Le Monde Concert for George

Cannes 2003

Concorde Ausmusterung Condor-Les axes du mal

Berlin International Film Festival nominee

Conquistadors of Cuba Constantine

Corpse Bride

Academy Award Nominee, British Animation Awards winner Country of my Skull

Creep Crónicas

Gadalajara Mexican Film Festival Winner

Crusade in Jeans Cude Zero

NY City Horror Film Festival Winner, Scream Fest Crystal Skull Award

Da Nessuna Parte Dallas 362

Dark Communion Dark Hall

Dawn of the Dead

Berlin International Film Festival winner De Bloedbruiloft

De Indringer De Twijfelaar

De Zaak Alzheimer

Joseph Plateau Award Winner Delwende

Der weiße Wal Des plumes dans la tête

Detective Office 5 Dédales

Die Bewerbung (short film)

Die Champions Diep

Domino Dopo Mezzanotte

Dreams without Sleep Drive me Crazy

Torino Int Gay & Lesbian Film Festival Winner

Duelist Dukes of Hazzard (Trailer)

Dukuroshiro no Shichinin Eating Dust

**Eating Sausages** 

David di Donatello Award winner Edi

Nominated Polish Film Awards

Einde Van De Rit El Alamein

El Cid (animation) Elegant

Ella Enchanted Ellektra

Bogota Film Festval Nominee

Emily la Princess Empress Simchung

Goya "Mejor documental", 2002; Mejor Película Española 2001 (CEC), Premio CEC, San

Sebastián 2001 etc.

En Construccion

Golden Globe & BAFTA & Oscar nominee, Grammy nominee, Austrailian Film Institute nominee

En Soap

Berlin Int Film Festival Winner

Eternal Sunshine of the Spotless Mind

Sundance Film Festival nominee Eva

Everybody Famous (ledereen Beroemdi)

Academy Award Nominee, Silver Dolphin Winner Everything is Illuminated

Everything Put Together Ex-Drummer

Ex.#No1870-4

World Festival Houston Winner Face à Face

Fait D'Hiver

Academy Award Nominee, Aspen Shorts Festval Winner, Flanders Int Film Festival Winner

Falla vackert

Fallet G Fallet G

Fast Forward Festival (Trailer)

Fierce People Firecracker

First Love of Millionaire Flowers & Binding

Folie Privee

Bratislava Int Film Festival winner, Nominated at Locarno Int Film Festival Forgiveness

Four Lane Highway Fracture

Fragiles Froken Sverige

From Condor Frostbiten

Frostbitten Fun with Dick & Jane

Get Rich or Die Trying (Trailer) Gib mir die Kirsche

Go Green

Various awards Goldfish Memory

**Gourmet Club** 

Long Island Int Film Expo Winner Gunner Palace

Nominated Golden Trailer Award

Half Nelson Hawaii, Oslo

Håkan Bråkan & Josep

Rotterdam Film Festival Heart of Gold

Heavens Soldiers (Cheon gun) Hellraiser: Deader

Hellraiser: Hellworld Het Schnitzelpardjis Het Surinaams Legioen Hip Hei Hutsu

Hitch Hochzeit in Italien

Home Front Honor de Cavalleria

Hoodwinked

Brisbane International Film Festival winner Hop

Sundance winner (2 awards), Joseph Plateau Award Nominee

Hoshi wo Tsugusha Hustle and Flow

Oscar winner & nominee, Visual Effects Society Awards nominee, Golden Globe nominee

Hypnos I'm Okay (short film)

I, Robot

Oscar nominee Ice Harvest

Ice Harvest Ichiban Kireina Mizu

II Cartaio (Italian & Int Versions) II Paradiso all'improvviso

Il Resto di Niente Il Tramite

Il Quatro Stato Im Augenblick

Im Zeichen der Liebe Imaginary Heroes

Immortel In my Country

In the Sign of Love Incident at Loch Ness

Indoor Fireworks Innocence

Inverse Evolution Theory

Joseph Plateau Award winner Invulnerable

Iran, sous le voile des apparences Jagoda in the Supermarket

Jamilia Jim Brown All American

Montreal 2004

Journee a la campagne

Emmy award nominee, American Cinema Editors winner Julius Caesar

Nederlands Film Festival winner

June Bug

Audience Award at Sundance Film Festival Juoksuhaudantie

Just Friends (Trailer) Kabinett (short film)

Kafka Kate - La Bisbetica Domata

Keeping Mum (Trailer) Kees De Jongen

Golden Reel Award nominee

Keisarikunta Kiekeboe (Misstoestanden)

Kikyu Kurabu Killing Kevin

Kim Novak badade aldrig i genesarets sjö Kimi to Aruita Natsu

Kinchen King Arthur

King Kong (25 Trailers) King of Beggars

Kinky Boots (Trailer) Klingenhof

Knetter Koiburni-biyori

16 Hong Kong Film Award

Komm wir Traumen Krama mig!

Krias Filmen

European Film Awards nominee Kukkia Ja Sidontaa

Jussi Award Nominee

Kuna Fu Hustle

Hong Kong Film Awards - Best Picture Kung Fu Hustle (Gong Fu)

Winner Hong Kong Film Award, Golden Globe nominee, BAFTA Nominee

Kung Fu Sizzling Mice Kung Konrad

L'ecole

Grand Prix du Jury: Moyen-metrage de Brive 2004 L'Iceberg

Bogota Film Festival Winner, Monte Carlo Comedy Film Festival Nominee

La Coupole La Femme de Gilles Nominated Joseph Plateau Award

La Peau Trouee

"Concha de oro" for best film and best script, San Sebastian 2000 La Perdición de los hombres

Venice Film Festival winner La Quimera de Los Heroes

Berlin 2003 La Tendresse du Loup

Ladies in Lavender

Cannes Film Festival winner Land of the Dead 2005

Lanxess Lapsia ja Aikuisia

Jussi Award Nominee

Lavorare con Lentezza Le Bal masqué

Joseph Plateau Award Winner

Le Lièvre de Vatanen League of Gentlemens Apocalypse (Trailer)

Lets Love Hong Kong Letters to Ali

Golden Calf nominee

Levottomat 3 Liever Verliefd

Karlovy Film Festival

Life & Death of Peter Sellers

Gold Medal New York Festival, won American Cinema Editors Eddie, Emmy Award Winner Little

Girl Blue

San Francisco Film Festival

Lives of the Saints

Directors Guild of Canada Nominee London Voodoo

Lord of War Lords of Dogtown Lost Cargo Love and Diane

Love comes to the Executioner Love Misplaced

Loverboy

Munich Film Festival winner Lovers

Independant Spirit Award winner

Lovewrecked Lulu

Macross Zero (animation)

BFCA nominee, Image Award nominee Mafia Doctor

Magonia

Bogota Film Festival Winner Man of Fire

Cannes Film Festival nominee, European Film Award nominee

Man of God

Guldbagge Award winner Maria Dolores Marie-Jo et ses 2 amores Mariti in Affitto

Masjavlar Mastering English

Golden Bear winner

Matti Mee-Shee: The Water Giant Meet me in Miami Memoria del Sanqueo

ACTRA Award nominee, Directors Guild of Canada nominee

Men with Brooms Miami Vice

Mickybo and Me

New York Film Festival 2002, Goya Award nominee Miel para Oshun

Empire Award nominee

Mike Bassett: England Manager Milarepa

Millions Mind Minie MirrorMask

Sundance Film Festival nominee

Mistrz Monja

Moreno och tystnaden Morgana

Mr Gams Victory (Superstar Gam Sa-Yong) Mrs Henderson Presents (Trailer)

Muenster's Fall Muenter's Fall

Murderball

BAFTA winner, British Independen Film Award nominee, Edinburgh International Film Festival

winner Must Love Dogs (Trailer)

Mv Architect

American Cinema Editors Eddie winner My Summer of Love

Mystic India Naboer

Namibia Crossings Nagoygatsi

Locarno 2001

Night of the White Pants Nikifor

No Quarto da Vanda Nocturne

Noel

Golden Satellite Award winner Non ti Muovere (trailer)

Nuit Noire Number 2 Ober Occhi di Cristallo Off Screen Oh My God?!

Flanders Int Film Festval Winner, Larissa Mediterranean Festival of New Filmmakers Winner

Oliver Twist Once Upon a Time in Mexico

IF Award nominee

One Perfect Day

Oscar nominee, BFCA Award nominee Osaka Bakuhatsu 0:00

Our Time is Up

Oscar Nomiated Ovunque sei

Oyayubisagashi Paha Maa

Passion of the Christ

Golden Globe and Oscar nominee Pelikaanimies

Perfect Creatures

Golden Calf winner Phileine Zegt Sorry

Piazza delle cinque Lune Piccadilly Jim

Oscar nominee, Golden Globe nominee, BSFC Award winner

Pieces of April Pinocchio (Begnini)

Goya Award winner

Pinocchio 3000 (Cartoon) Pirates of the Caribbean (DVD)

Pistvakt Pistvakt

Pitbull Please Teach me English (Yeongeowanjeonjeongbok)

Point Annihilatioin

Emmy Award, Oscar nominee Police Story 2

Popular Music from Vitulla

Rio de Janerio Film Festival Pornografia

Polish Film Award winner

Pour Le Plaisir Prairie Wind

Premium Pride & Prejudice

2 Golden Globe nominations, BAFTA winner, 5 BAFTA Nominations, 5 Oscar Nominations,

**Empire Award Winner** 

Princess Simchung Project A

Promesa D'Amore Promised Land

**Promises** 

Locarno International Film Festival nominee Proof

Golden Globe nominee

Proud Przybyli ulani

Przystanek Woodstock Pumuckl

Punto y Raya

Nominated Bogota Film Festival Golden Precolumbian Circle, Won Gramado Film Festival

Golden Kikito, Won Best Film Los Angeles Latino International Film Festival Quase dois Irmaős

R Point Rancid

Rei-zero Remake

Rent a Husband (Mariti in Affitto) Requiem

Resistance Riot On!

Jussi Award Nominee

River Queen Robot Fighter Gan Dan

Rojo Sangre

Sundance Film Festival nominee Romantico

Romasanta S Diary

Sangre

Won FIPRESCI Prize at Cannes Film Festival SAW II

Seed of Chucky September Dawn

Serenity Sex, hopp och Karlek

**BAFTA** nominee

Shades Shadows in the Sun Sharei Shaun of the Dead

BAFTA nominee, British Independent Film Award winner

Sherrybaby

Grand Jury Prize Nominee at Sundance Film Festival Shin Suk-ki Blues

Shortbus Show

Sicily 2km Silence Becomes You

Simon

3 awards at Nederlands Film Festival Singing behind Screens (Cantando dietro i Paraventi)

David di Donatello Awards, Winner, Visual Effects

Skazany na Bluesa Skin and Bone

Sundance Film Festival nominee

Som man baddar Some Things That Stay

**DGC TReam Award Nominee** 

Something he didn't know (short film) Sotalapset

Jussi Award Winner

Soul Assassin Spider-man 2

Oscar winner, BAFTA nominee, BFCA winner, Visual Effects Society Award winner

Spy Kids 3

BAFTA and Oscar nominee, Visual Effects Society nominee Stalingrad

Stander

Oscar nominee Star Wars: Episode II Attack of the Clones

Oscar nominee, BFCA nominee

Star Wars: Episode III Revenge of the Sith

Oscar Nominee Starship Troopers 2: Hero of the Federation

Startup.com Stealth

Steve + Sky Stormbreaker

Strandvaskaren Strawberry Shortcake

Strähl Submerged

Sueńo Sund@y Seoul

Sunshine Supercop 2

Superstar Gam Sa-Yong Supertramps

Swimmers Symaro

Taekwon Boys Tama Tu (short)

Visual Effects Society Award nominee

Tarnation

Won Nat.Soc.of Film Critics USA Award Tarnation

London Film Festival Award Winner NSFC Award winner

Te lo Leggo Negli Occhi (trailer) Team Spirit

Team Spirit 2 Tempesta

Tenmadeagare Tennis No Osama

Terminator 3: Rise of the Machines

Golden Trailer Award nominee Texas Chainsaw Massacre (trailer)

The 13th Letter The Adventures of Shark Boy & Lava Girl iin 3-D

The Alamo The Alzheimer Case

Locarno 2001

The Beautiful Country

Amanda Awards Nominee The Breed

The Brothers Grimm The Brown Bunny

The Business (Trailer) The Butterfly

The Cave The Condor

The Dark The Day After Tomorrow

BAFTA winner, Sundance Film Festival winner

The Descent The Devil's Reject's

The Devil and Daniel Johnston The Emperor's Wife

The Enemy Within The Fog of War

Oscar Winner

The Forgotten

Sundance Film Festival nominee The Girl from Monday

Directors Guild of Canada nominee

The Gospel of John

Cannes, America Cinema Editors Award, Movie Guide Epiphany Prize Winner The Illusion

The Island The Jacket (Trailer)

The Kid Stays in the Picture

Israeli Academy Award The Killer Within

The Komediant The Kovak Box The Ladykillers The Last Drop

The Legend of Evil Lake (Cheonnyeon ho) The Lost Cause

The Machinist

German Short Film Award winner The Message

German Television winner

The Miracle of Bern

Tokyo International Film Festival winner The New World

**Acadeny Award Nominee** 

The One Thing to Do

Joseph Plateau Award Nominee The Optimists

The Phantom of the Opera (trailer) The President's barber (Hyojadongibalsa)

Edinburgh Film Festival

The Promissary The Prophecy: Forsaken

The Prophecy: Uprising The Purifiers

Guldbagge Award winner

The Queen of Shebas Pearls

Golden Spire Award Int. Film Festival San Francisco The Saltmen of Tibet

The Scar The Speaker

The Statement The Stoning

The Thread The Undertaker

The Undeserved The Weather Man

The White Massai The World's Fastest Indian

Thngs That Hang From Trees Three of Hearts

Tideland

San Sebastian Award Timeline

To Catch a Virgin Ghost Tokyo Girl

Tom & Thomas

Children Jury Award at Chicago Childrens International Film Festival Too Much too Young

Torque Touch of Pink

**DGC TReam Award Nominee** 

Travellers and Magicians Triell

Oscar nominee, Visual Effects Society Awards nominee

Trois Petites Filles Troy

Deauville Film Festival nominee

Tu la Conosci Claudia? (trailer) Tupac Resurrection

Oscar nominee

Two sa bu il che Typhoon

Un año en la Luna Undertow

Unna Ja Nuuk Uuno "This is my Life"

Valo Varden's Basta Pappa

Brisbane International Film Festival winner, Tokyo International Film Festival winner

Vares Vendrei ou un autre jour

Verlengd Weekend Vibrator

Villa Des Roses

British Int Film Award Nominee, Hollywood Film Festival Winner Voces Inocentes

Venice Film Festival winner, BFCA Award nominee

Waking Life Walk the Line

Oscar Winner & 3 nominations, 2 BAFTA Winner & 2 BAFTA Nominations, 2 Golden Globe

Winner

Walking Tall War Machine

War of the Worlds (remastering & Trailer)

Where the Truth Lies Wie Luft zum Atmen

Wimbledon Windkracht 10

Joseph Plateau Award Nominee

Winter Passing With All Deliberate Speed

**Emmy Award nominee** 

Wolfhound Wolfhound

Yangachi eojo Yeongeo Wanjeonjeongbok

Yumejuya Zakachany Aniol

European Film Awards nominee, British Independent Film Awards nominee Zura Keiji

# Restoration or remastering

Movie

Alien

Alien 3

Alien Resurrection

Aquitania

Bandini Wildschut

Boerenpsalm

Brugge Die Stille

Coco Flanel

**Darkness** 

Das Boot ist Voll

De Leeuw Van Vlaanderen DrVlimmen

De Loteling

De Man

De Vijanden

De Zevende Hemel

Den ofrillige golfaren

Die Zijn Haar Kort Liet Knippen

Ecce Bombo

Emil's pranks

Emil and the Piglet

Emil in Lönneberga

Face Off

Fårödokument

Hector het Gezin van Paemel

Hellegat

Het Afscheid

Het Einde van de Reis

House of Angels

House of Angels the Second Summer

I heart Huckabees

Inkluis Istanbul

Invulnerable

Iron Monkey II

Jagoda in the Supermarket

Karlsson on the Roof

Kinsey

La cité de la plaine

Les Liens

Lola Montes

Lotta flyttar hemifrån

Lotta på Bråkmakargatan

Malpertuis

Mardie on the June Hill

Max

Meeuwen

Memoria del Saqueo

Miracle at Oxford

More About the Children of Butterby Village

My Life as a Dog

Nanny McPhee

Navel

Night is my Future (Music in the Dark)

Nybyggarna

Oeroeg

Once Upon a Time in China & America

Pallieter

Pantaleón y las visitadoras

Pippi Longstocking

Pumuckl

Rasmus and the Vagabond

Rolande met de Bles

Ronja the Robber's Daughter

S.O.S.

Sällskapsresan

Scary Movie 3

Scenes from a Marriage

Schindler's List

Schipper Naast Mathilde

Seven Servants

Shaolin Soccer

Slachtvee

Snowroller

Star Wars IV: A New Hope

Star Wars: Episode V The Empire Strikes Back

Star Wars: Episode VI Return of the Jedi Steve Barrons Adventures of Pinocchio

Tears

The Brothers Lionheart

The Children of Butterby Village

The Devil's Wanton

The King of Comedy

The Mexican

Thunderbirds

THX 1138

Tjorven and Båtsman

Tjorven and Mysak

Tjorven and Skrållan

Útvandrarna

Verloren Paradijs

Vlaschaard Vrijdag

Wait Until Spring

War of the Worlds (DVD)

Winter Light

Without a Paddle

You're Out of Your Mind Mardie