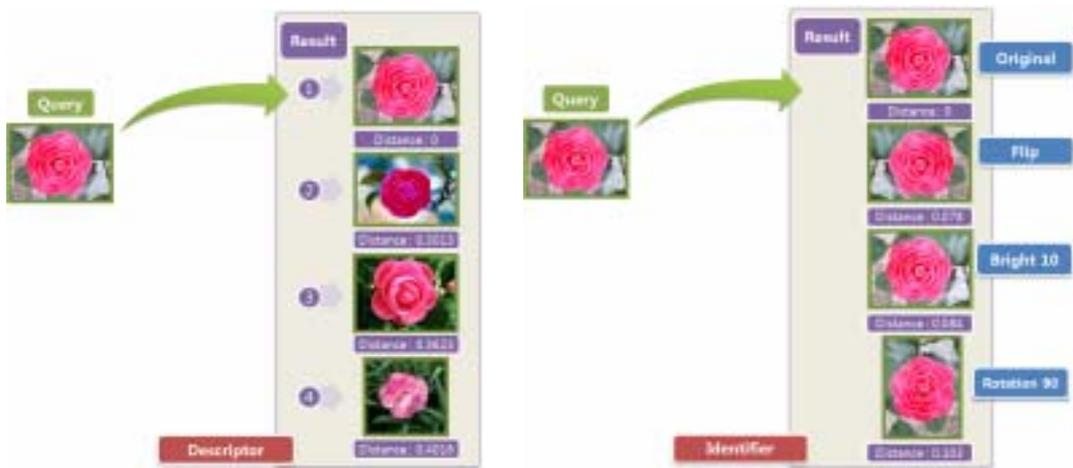


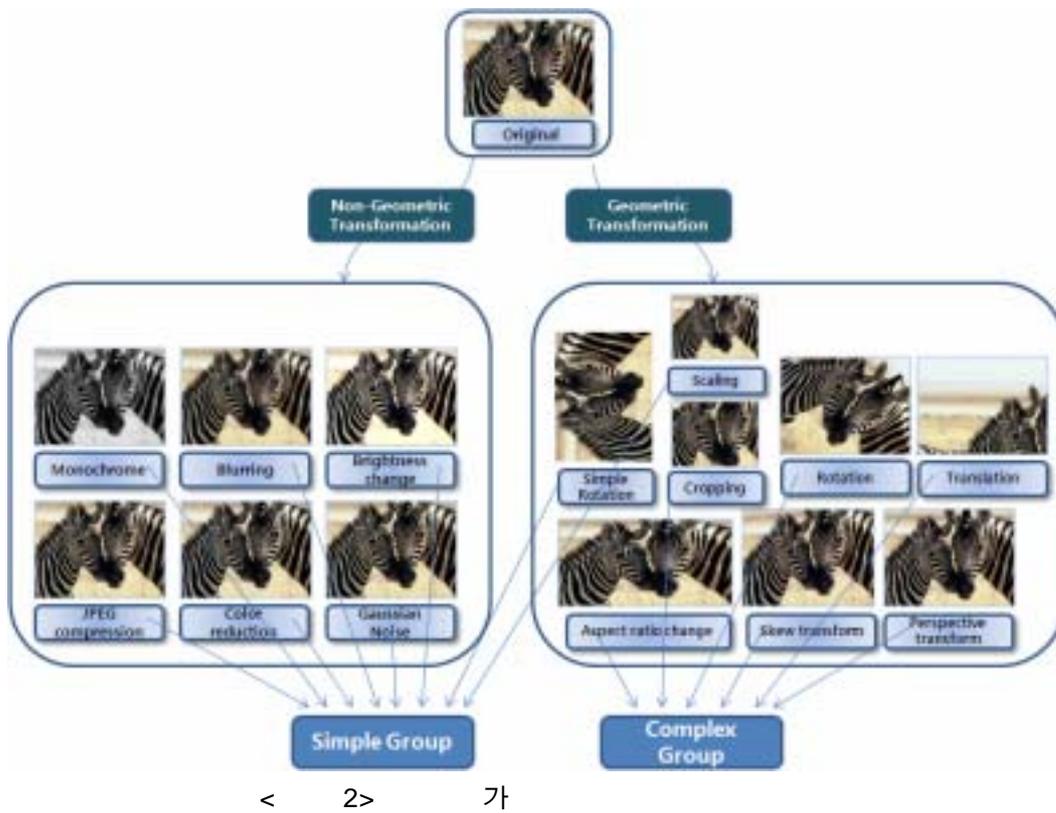
[] Image/Video Signature

Signature ?

Signature object unique . Signature identifier
 MPEG-7 visual identifier 가 2007 4
 San Jose signature .
 Identifier A_1 A_1 ,
 cropping
 A_1 , $A_{11}, A_{12}, A_{13} \dots$
 ground truth가 A_1 $A_{11}, A_{12},$
 $A_{13} \dots$ A_{11} A_1
 MPEG-7 descriptor가
 1 image identifier MPEG-7
 descriptor 2 가
 simple group complex group



< 1> Descriptor vs identifier



DRM(Digital Rights Management)

Signature object
 가
 가
 가
 가

Signature

signature
 가
 DRM
 signature

Image signature/ Video signature

2006 1 Bangkok image identifier가 VCE(Visual Core Experiment)
 가
 가 2007 7 MPEG 81
 Lausanne CfP(Call for Proposal)
 (Output : N 9216). CfP image signature
 2007. 10.10 2009 1 AMD
 . Video signature 2008.1.18 2008.4.16
 2009 7 AMD

• [Image signature\(identifier\)](#) -> MPEG-7 VCE-6

MPEG-7 visual 2006 1 Bangkok image identifier
 VCE-6 4 Montreux VCE-6
 2007 4 San Jose identifier signature

VCE-6 image signature 가 4가 factor
 . 4가 factor SR(success ratio) , 1 ppm false positive
 rate independence test threshold , signature meta data
 size(1K bit/image Max), extraction/matching speed . XM
 4가 가
 가 VCE-6 .
 2007 7 가 99.5% 7
 Lausanne VCE-6
 (Output : N 9218). N9218 false positive rate 1ppm
 0.05ppm matching speed 200 pair, DB size
 5 10 , 가 SR DB 4 1

• [Video signature\(identifier\)](#) -> MPEG-7 VCE-7

Video signature 2007 1 Marrakech
 VCE-7 7 Lausanne
 VCE-7 . Video signature VCE-6
 image signature MPEG-7 가
 descriptor descriptor scheme

Video signature image signature
 가 가 . MPEG output
 N 9216 2008 1 83 가
 DB , ,
 3 original clip 3 original
 query clip 가 1 ppm false positive rate
 threshold SR(success ratio)

