

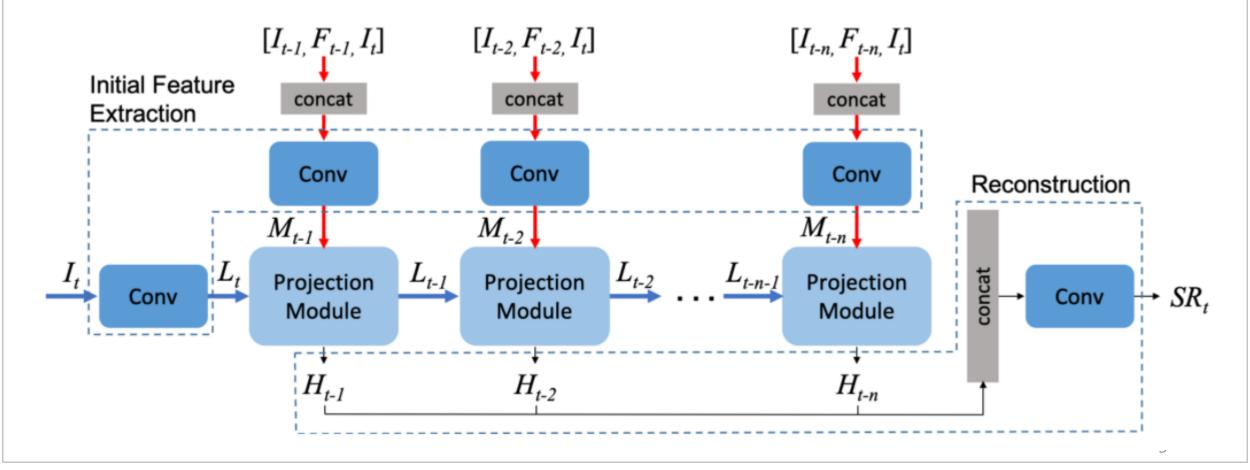
- 1. Recurrent Architecture for Video Super Resolution published at 2019 CVPR
- 2. Using N Frames (including Target)

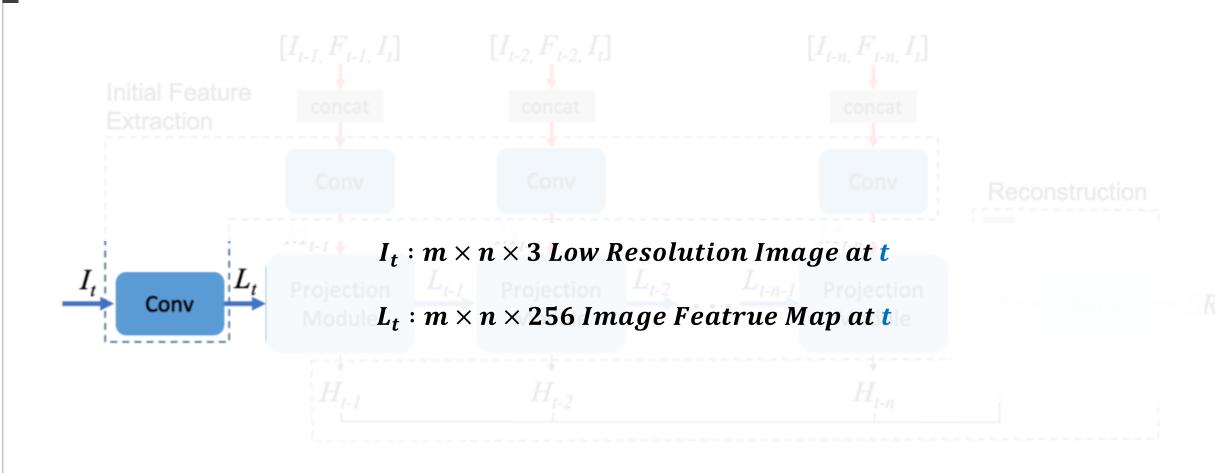
# Shot 1

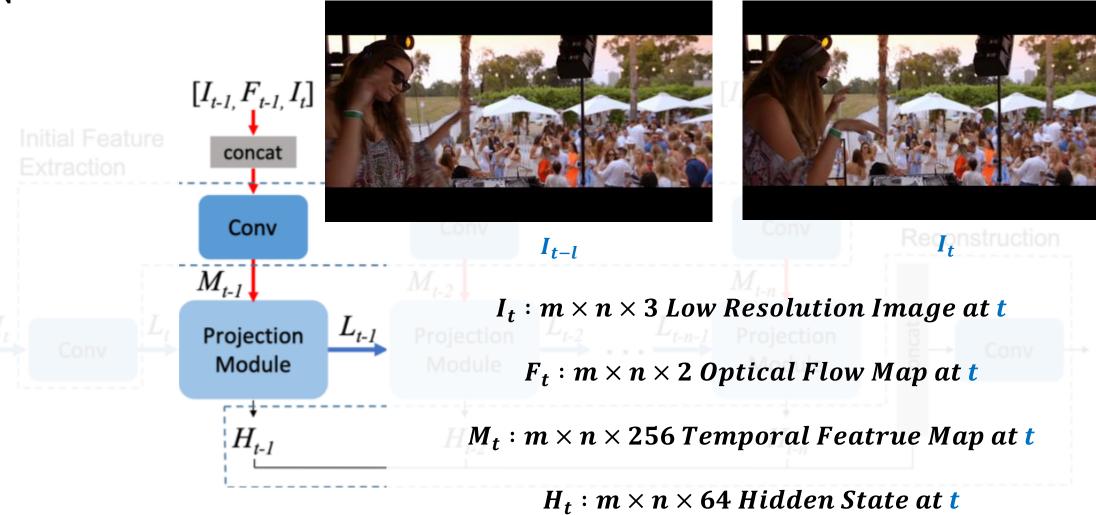


**Target Image** 

- 1. Feature Extraction
- 2. Fusing
- 3. Reconstruction









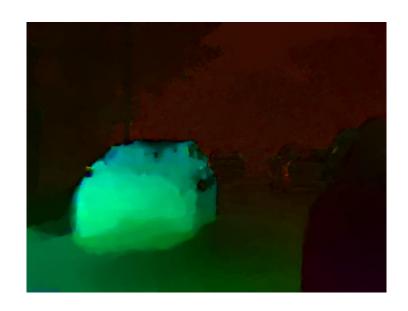
Image\_1



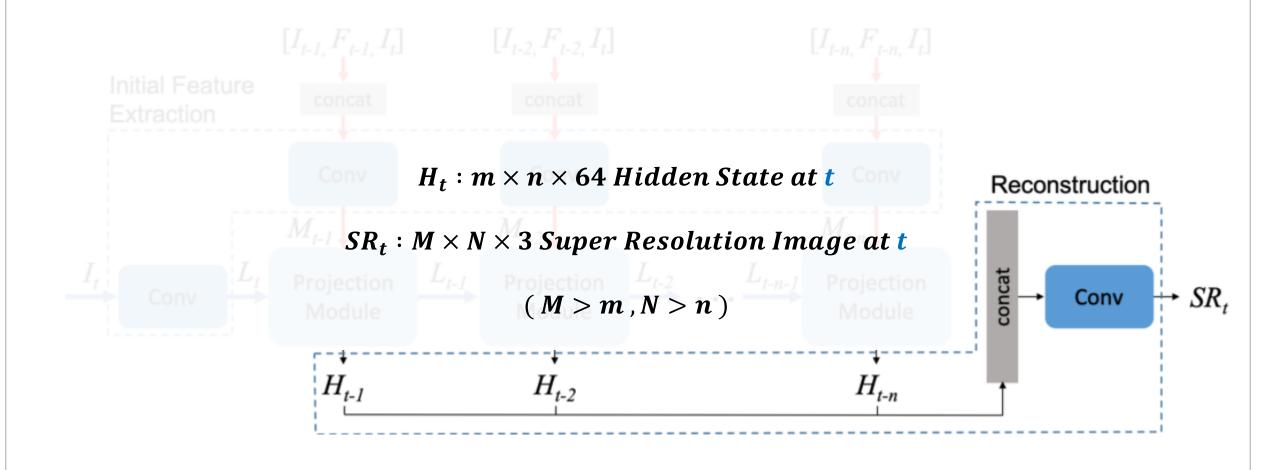
Image\_2

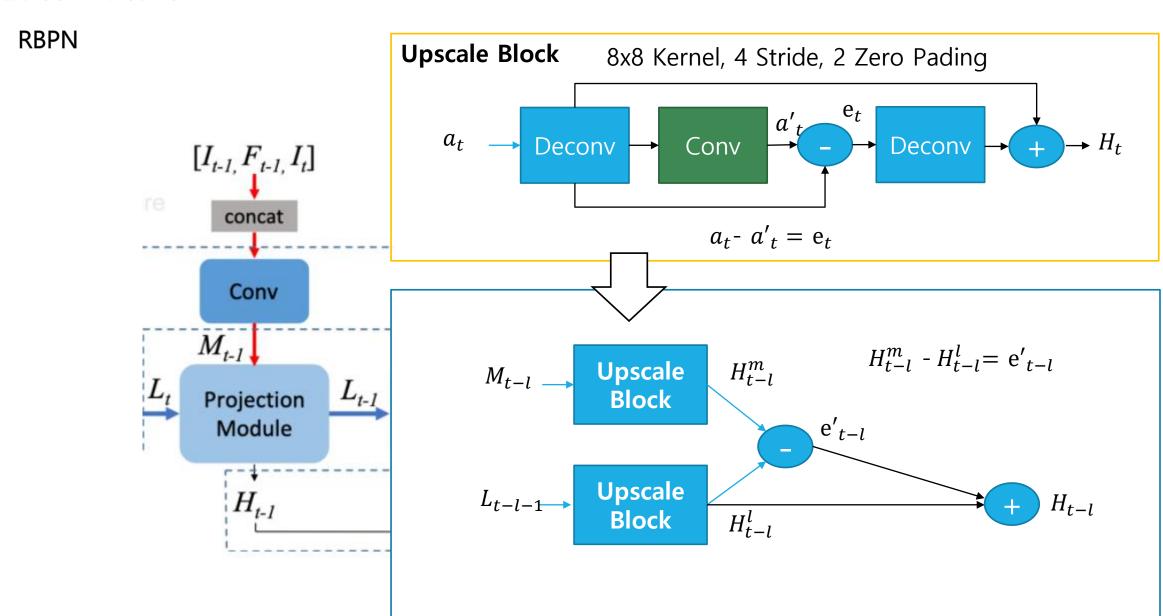
움직임의 방향 : 색상

윰직임의 크기 : 진하기

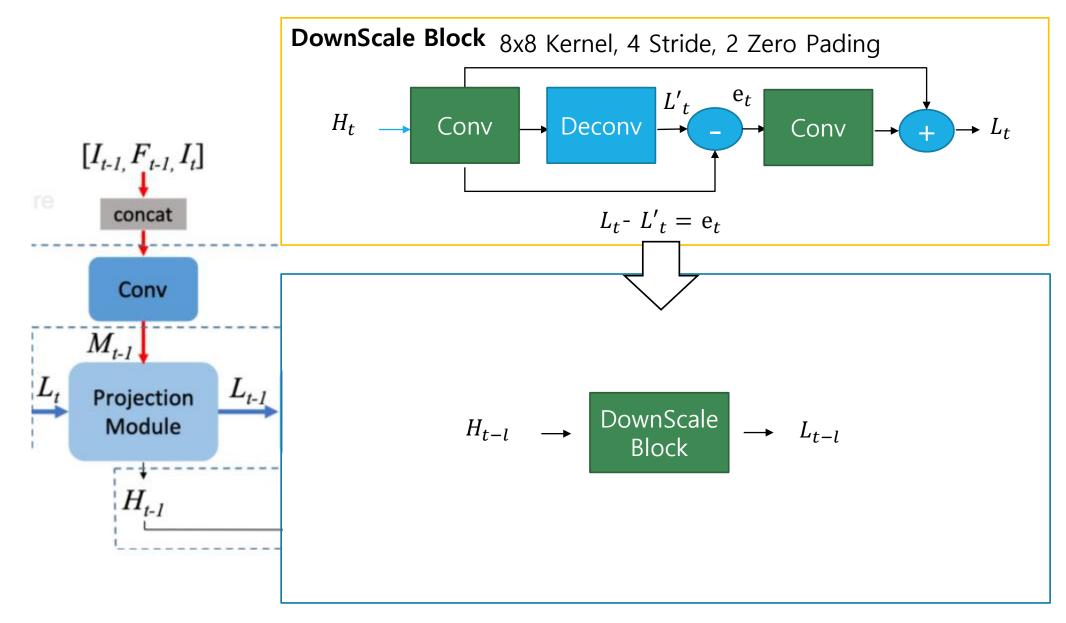


Dense Flow Map

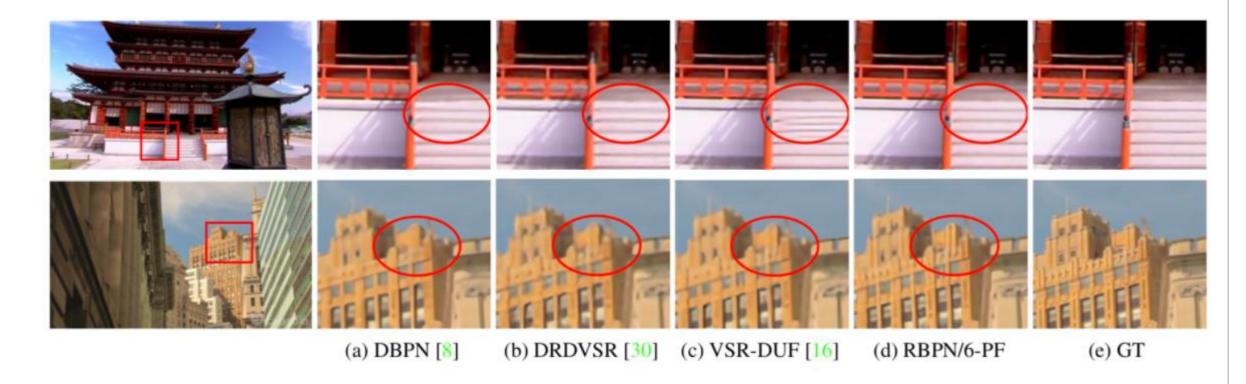




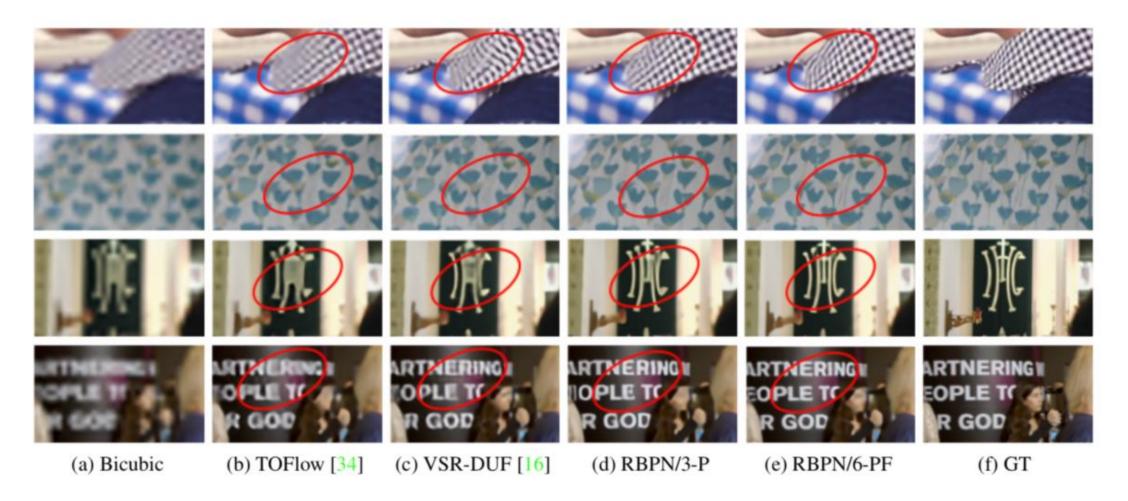




# **SPMCS**



### Vimeo90k



한양대학교 인공지능연구실

	Flow	Bicubic	DBPN	BRCN	VESPCN	$B_{123} + T$	DRDVSR	FRVSR	VSR-DUF	RBPN/6-PF
Clip Name	Magnitude		[8]	[13]	[2]	[25]	[30]	[27]	[16]	
Calendar	1.14	19.82/0.554	22.19/0.714	-	-	21.66/0.704	22.18/0.746	-	(24.09/0.813*)	23.99/0.807 (23.93/0.803*)
City	1.63	24.93/0.586	26.01/0.684	-	-	26.45/0.720	26.98/0.755	-	(28.26/0.833*)	27.73/0.803 (27.64/0.802*)
Foliage	1.48	23.42/0.575	24.67/0.662	-	-	24.98/0.698	25.42/0.720	-	(26.38/0.771*)	26.22/0.757 (26.27/0.757*)
Walk	1.44	26.03/0.802	28.61/0.870	-	-	28.26/0.859	28.92/0.875	-	(30.50/0.912*)	30.70/0.909 (30.65/0.911*)
Average	1.42	23.53/0.629	25.37/0.737	24.43/0.662	25.35/0.756	25.34/0.745	25.88/0.774	26.69/0.822	(27.31/0.832*)	27.12/0.818 (27.16/0.819*)

- 1. Edit Network Flexibly ( Upscale Factor, # of Stages, # of Frames etc. )
- 2. Computational Complexity
- 3. Setting Data Set