TV 30.07\(0.822\)\(19.00\) 28.45\(0.8192\)\(10.07\) 21.65\(0.7481\)\(13.38\) 30.02\(0.7350\)\(14.2\) 25.15\(0.8079\)\(13.47\)\(0.8684\)\(15.45\) 31.74\(0.8947\)\(20.62\) 22.55\(0.7412\)\(14.29\) 30.64\(0.7566\)\(13.61\) 26.43\(0.8467\)\\(1.65\)\(13.84\)\(13.47\)\(0.8684\)\(15.45\)\(13.84\)\(13.47\)\(10.8947\)\(10.62\) 25.5\(0.7412\)\(14.29\) 30.64\(0.7566\)\(13.61\)\(12.63\)\(10.8687\)\(13.84\)\(13.84\)\(13.44\)\(10.444\)\(13.192\)\(10.897\)\(13.45\)\(10.877\)\(13.5005\)\(13.37\)\(13.35\)\(10.717\)\(121.85\)\(12.82\)\(13.83\)\(13.47\)\(10.911\)\(126.54\)\(13.87\)\(10.9018\)\(10.04\)\(13.32\)\(10.8208\)\(10.4\)\(10.9208\)\(10.902\)\(10.902\)\(10.902\)\(10.9018\)\(10.04\)\(13.32\)\(10.8208\)\(10.04\)\(10.902\)\(13.84\)\(10.9018\)\(10.04\)\(13.32\)\(10.902\)\(13.37\)\(10.9018\)\(10.04\)\(13.32\)\(10.902\)\(13.515\)\(10.9476\)\(10.05\)\(13.815\)\(10.9476\)\(10.05\)\(13.815\)\(10.9476\)\(10.05\)\(13.815\)\(10.9476\)\(10.05\)\(13.815\)\(10.9476\)\(10.05\)\(13.815\)\(10.948\)\(10.968\)\(13.84\)\(10.9018\)\(10.9018\)\(10.04\)\(13.26\)\(10.822\)\(10.76\)\(10.822\)\(10.76\)\(10.8821\)\(10.76\)\(10.822\)\(10.76\)\(10.8821\)\(10.76\)\(10.8821\)\(10.777\)\(10.9207\)\(13.65\)\(10.8821\)\(10.76\)\(10.8821\)\(10.824\)\(10.884\)\(10.							
DWT 26.61\(0.7971\\33.87 29.82\(0.8692\\11.48 22.02\(0.7072\\9.93 19.82\(0.6501\\8.21 25.41\(0.8163\\1)\) TV 30.07\(0.8222\\19.00 28.45\(0.8192\\4.07 21.65\(0.7481\\3.38 30.02\(0.7536\\4.2 25.15\(0.8079\\3)\) MH 31.47\(0.8684\\54.58 31.74\(0.8947\\20.62 22.55\(0.7481\\3.38 30.02\(0.7546\\3.61 \) 26.43\(0.8467\\54.61\) 36.43\(0.8467\\54.61\) 31.34\(0.8684\\54.58 31.74\(0.8947\\20.62 22.55\(0.7481\\3.38 30.02\(0.7546\\3.61\) 36.43\(0.8467\\54.61\) 36.43\(0.8467\\54.61\) 31.34\(0.7604\\3548.57 27.82\(0.8783\\3)\\ SSR 32.18\(0.8832\\852.50 34.77\(0.9411\\276.54 23.78\(0.8279\\276.1512 31.33\(0.77717\\215.85 27.88\(0.9029\\276.65\) 30.51\(0.9029\\276.65\\276.65\) 36.51\(0.9947\\60.05 28.01\(0.90918\\0.04 33.26\(0.8280\0.04 30.23\(0.929\\0.23 29.909\\0.23\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\\0.756\\0.928\0.928\0.928\\0.928\\0.928\\0.928\\0.928\\0.928\\0.928\\0.928\0.928\\0.928\\0.928\\0.928\0	Alg.	baby	bird	butterfly	head	woman	
TV 30.07\(0.822\)\(19.00\) 28.45\(0.8192\)\(1.07\) 21.65\(0.7481\)\(1.3.83\) 30.02\(0.7350\)\(1.42\) 25.15\(0.8079\)\(1.3\)\\(1.8684\)\(1.5.85\) 31.74\(0.8947\)\(2.062\) 22.55\(0.7412\)\(1.4.29\) 30.64\(0.7556\)\(1.3.61\) 26.43\(0.8467\)\(1.605\) 31.8\(0.8514\)\(1.40444\) 31.92\(0.8937\)\(1.4853\)\(1.8683\)\(1.8632\)\(1.8525\)\(1.8632\)\(1.8525\)\(1.8632\)\(1.8525\)\(1.8632\)\(1.8525\)\(1.8632\)\(1.8525\)\(1.8632\)\(1.8525\)\(1.8632\)\(1.8525\)\(1.8632\)\(1.8525\)\(1.8632\)\(1.8525\)\(1.8632\)\(1.8632\)\(1.8525\)\(1.8632\)\(1.8632\)\(1.8632\)\(1.8632\)\(1.8525\)\(1.8632	Sampling Ratio (M/N) 0.1 (PSNR\SSIM\running time)						
MH		$26.61 \ 0.7971 \ 33.87$	29.82\0.8692\11.48	$22.02 \ 0.7072 \ 9.93$	19.82\0.6501\8.21	25.41\0.8163\10	
COS 31.38\0.8514\14044.44 31.92\0.8973\4688.28 25.40\0.8737\5095.94 31.24\0.7604\3548.57 27.82\0.8783\36 GSR 32.18\0.8832\852.50 34.77\0.9411\276\0.05 23.78\0.8279\215.12 31.33\0.7717\215.85 27.88\0.9029\2 CSNet 34.83\0.9170\0.05 35.15\0.9476\0.05 28.01\0.9019\0.9018\0.04 33.26\0.8208\0.04 30.23\0.9203\0.0923\0.0940\0.092\0.09337\0.0940\0.092\0.09337\0.0940\0.0932\0.09337\0.0940\0.0932\0.09337\0.0940\0.0932\0.09337\0.0940\0.0933\0.0940\0.0933\0.0940\0.0933\0.0940\0.0933\0.0940\0.0933\0.0940\0.0933\0.0940\0.093\0.0933\0.0940\0.093\0.0933\0.0940\0.093\0.093\0.0933\0.0940\0.093\0.09	TV	$30.07 \backslash 0.8222 \backslash 19.00$	$28.45 \ 0.8192 \ 4.07$		$30.02 \ 0.7350 \ 4.42$	$25.15 \ 0.8079 \ 3.$	
GSR 32.18\0.8832\852.50 34.77\0.9411\276.54 23.78\0.8279\215.12 31.33\0.7717\215.85 27.88\0.9029\2 CSNet 34.83\0.9170\0.05 35.15\0.9476\0.05 28.01\0.9018\0.04 33.26\0.8208\0.04 30.23\0.9203\1 DWT 34.67\0.9207\24.36 36.15\0.9489\8.16 24.99\0.7930\0.74 28.00\0.7955\4.56 30.35\0.9163\8 TV 32.69\0.8821\10.76 32.39\0.9027\3.37 26.86\0.8848\12.84 31.99\0.7963\2.42 28.40\0.8884\12.84 MH 34.80\0.9223\3.98.9 36.35\0.9503\1.314 25.81\0.8324\12.60 32.98\0.8224\17.67 30.47\0.9130\1.74 GSR 35.35\0.9315\828.85 40.03\0.9764\264.59 29.9\0.9337\221.37 33.26\0.8314\218.75 32.9\0.9555\2.56 GSR 37.70\0.9563\0.06 39.78\0.9804\0.02 31.79\0.9523\0.02 35.08\0.8763\0.01 33.82\0.9603\0.04 DWT 36.50\0.9430\16.33 38.77\0.9677\5.65 26.62\0.8247\4.05 33.34\0.849\4\2.43 32.74\0.9400\7 TV 34.45\0.9170\8.26 35.06\0.9392\2.82 30.32\0.935\2.11 33.27\0.8491\2.00 30.67\0.9266\2.84\0.933\0.953\0.949\0.933\0.935\0.953\0.949\0.933\0.935	MH	$31.47 \backslash 0.8684 \backslash 54.58$	$31.74 \ 0.8947 \ 20.62$	$22.55 \ 0.7412 \ 14.29$	30.64\0.7546\13.61	$26.43 \ 0.8467 \ 15$	
CSNet 34.83\0.9170\0.05 35.15\0.9476\0.05 28.01\0.9018\0.04 33.26\0.8208\0.04 30.23\0.9203\) Sampling Ratio (M/N) 0.2 (PSNR\SSIM\running time) DWT 34.67\0.9207\24.36 36.15\0.9489\8.16 24.99\0.7930\6.74 28.00\0.7955\4.56 30.35\0.9163\8 TV 32.60\0.8821\10.76 32.39\0.9927\3.37 26.86\0.8848\2.84 31.99\0.7963\2.42 28.40\0.8884\2 MH 34.80\0.9223\39.89 36.35\0.9503\13.74 25.81\0.8324\21.60 32.98\0.8224\17.67 30.47\0.9130\11 CoS 34.15\0.9074\sozs.87 36.77\0.9554\zoss.25 29.66\0.9323\squaresize{340.995} 31.91\0.8043\squaresize{350.9315\cangle 28.85 40.03\0.9764\zoss.25 29.66\0.9323\squaresize{340.995} 31.91\0.8043\squaresize{350.9315\cangle 28.85 40.03\0.9764\zoss.26 29.29\0.9337\zoss21.37 33.26\0.8314\zeross.2815 33.82\0.966\0.9823\squaresize{360.9933\cangle 29.85 33.45\0.8314\zeross.2815 33.87\0.96764\zoss.26 29.29\0.9337\zoss21.37 33.26\0.8314\zeross.2815 32.92\0.9555\zoss2 29.66\0.9323\squaresize{360.02} 35.08\0.8763\0.01 33.82\0.9655\zoss2 29.66\0.9323\squaresize{360.02} 35.08\0.8763\0.01 33.82\0.9655\zoss2 29.66\0.9323\squaresize{360.02} 35.08\0.8763\0.01 33.82\0.9655\zoss2 29.66\0.9323\0.935\0.213 33.26\0.8314\zeross21.55 32.92\0.9555\zoss2 29.66\0.9323\0.932\0.933\0.02 35.08\0.8763\0.01 33.82\0.9650\0.9553\0.02 36.50\0.9430\1.255 34.65\0.940\0.73 32.90\0.9593\0.9553\0.02 36.50\0.9430\1.20 36.67\0.9563\0.963\0.9430\0.933\0.933\0.933\0.933\0.934\0.8869\1.487 34.28\0.869\0.9553\0.03 36.00\0.933\0.933\0.933\0.934\0.934\0.8869\0.933\0.933\0.934\0.934\0.933\0.934\0.934\0.933\0.934\0.934\0.934\0.933\0.934\0.934\0.934\0.934\0.933\0.934\0.9	CoS		31.92\0.8973\ 4688.28	25.40\0.8737\5095.94	$31.24 \ 0.7604 \ 3548.57$	27.82\0.8783\36	
Sampling Ratio (M/N) 0.2 (PSNR\SSIM\running time)	GSR	32.18\0.8832\852.50	$34.77 \ 0.9411 \ 276.54$	$23.78 \ 0.8279 \ 215.12$	$31.33 \ 0.7717 \ 215.85$	27.88\0.9029\24	
DWT 34.67\0.9207\24.36 36.15\0.9489\8.16 24.99\0.7930\6.74 28.00\0.7955\4.56 30.35\0.9163\8 TV 32.60\0.8821\10.76 32.39\0.9027\3.37 26.86\0.8848\2.84 31.99\0.7963\2.42 28.40\0.8884\2 MH 34.80\0.9223\39.89 36.35\0.9503\13.74 25.81\0.8324\21.60 32.98\0.8224\17.67 30.47\0.9130\17.60 32.91\0.9074\8025.87 36.77\0.9554\2685\0.9323\\\ GSR 34.15\0.9074\8025.87 36.77\0.9554\2685\0.292\0.9337\221.37 33.26\0.8314\218.75 32.92\0.9555\2.60 SR 35.50\0.9315\828.85 40.03\0.9764\264.59 29.29\0.9337\221.37 33.26\0.8314\218.75 32.92\0.9555\2.60 SR 37.70\0.9563\0.06 39.78\0.9804\0.02 31.79\0.9523\0.02 35.08\0.8763\0.01 33.82\0.9603\0.9007\0.566\0.9323\0.242\0.03\0.9553\0.02 35.08\0.8763\0.01 33.82\0.9603\0.9007\0.70\0.9563\0.06 39.78\0.9804\0.02 31.79\0.9523\0.02 35.08\0.8763\0.01 33.82\0.9603\0.9007\0.70\0.9563\0.02 35.06\0.9430\1.633 38.77\0.96677\0.566\0.56 26.62\0.8247\0.405 33.44\0.8494\2.43 32.74\0.9400\7 TV 34.45\0.9170\8.26 35.06\0.9392\2.82 30.32\0.9305\2.11 33.27\0.8401\2.00 30.67\0.9266\2 MH 36.50\0.9430\2.993 38.77\0.9677\1.012 27.84\0.8689\14.87 34.28\0.8596\10.73 32.90\0.9397\1. CoS 35.88\0.9326\0.663.08 39.60\0.9733\223.049 32.39\0.9548\285.96 33.78\0.8496\224.828 35.73\0.9720\2 CSNet 39.69\0.9731\0.05 42.97\0.9900\0.02 34.25\0.9703\0.02 36.35\0.9061\0.01 36.25\0.9753\0.9753\0.02 Sampling Ratio (M/N) 0.4 (PSNR\SSIM\running time) DWT 37.97\0.9575\12.81 40.84\0.9777\3.76 28.17\0.8528\4.66 35.03\0.8800\4.61 34.60\0.9565\5 TV 36.06\0.9404\6.76 37.56\0.9615\2.82 33.66\0.9574\1.80 34.45\0.8724\1.67 32.72\0.9499\1 MH 37.97\0.9575\2.81 40.84\0.9777\3.76 28.17\0.8528\4.66 35.03\0.8803\0.880\4.61 34.60\0.9565\5 TV 36.06\0.9404\6.76 37.56\0.9615\2.82 33.66\0.9574\1.80 34.45\0.8724\1.67 32.72\0.9499\1 MH 37.97\0.9575\2.81 40.84\0.9777\3.76 28.17\0.8528\4.66 35.03\0.880\4.61 34.60\0.9565\5 SSR 39.08\0.982\981.18 45.12\0.9910\4.60.48 36.23\0.9754\4.62.25 35.72\0.8974\271.72 37.91\0.9810\2 Sampling Ratio (M/N) 0.5 (PSNR\SSIM\running time) DWT 39.40\0.9683\10.38 42.60\0.9839\3.11 29.76\0.8794\2.48 36.07\0.9084\2.21 36.54\0.9847\0	CSNet	$34.83 \langle 0.9170 \langle 0.05$	$35.15 \backslash 0.9476 \backslash 0.05$	$28.01 \backslash 0.9018 \backslash 0.04$	$33.26 \backslash 0.8208 \backslash 0.04$	$30.23 \langle 0.9203 angle$	
TV 32.60\0.8821\10.76 32.39\0.9027\3.37 26.86\0.8848\2.84 31.99\0.7963\2.42 28.40\0.8884\2 MH 34.80\0.9223\39.89 36.35\0.9503\13.74 25.81\0.8324\21.60 32.98\0.8224\17.67 30.47\0.9130\1 CoS 34.15\0.9074\sqb.s.r 36.77\0.9554\2698.52 29.66\0.9323\3469.95 31.9\0.8043\5035.38 31.56\0.9342\0.9130\1 CSR 35.35\0.9315\828.85 40.03\0.9764\264.59 29.29\0.9337\221.37 33.26\0.8314\21.875 32.92\0.9555\2 CSNet 37.70\0.9563\0.06 39.78\0.9804\0.02 31.79\0.9523\0.02 35.08\0.8763\0.01 33.82\0.96083\0.9764\264.59 29.29\0.9337\221.37 33.26\0.8314\21.875 32.92\0.9555\2 CSNet 36.50\0.9430\16.33 38.77\0.9677\5.65 26.62\0.8247\4.05 33.44\0.8494\2.43 32.74\0.9400\7 TV 34.45\0.9170\8.26 35.66\0.9392\2.82 30.32\0.9305\2.11 33.27\0.8401\2.00 30.67\0.9266\2 MH 36.50\0.9430\29.93 38.77\0.9677\10.12 27.84\0.8689\14.87 34.28\0.8596\10.73 32.90\0.9397\1. CoS 35.88\0.9326\6635.08 39.60\0.9733\2230.49 32.39\0.9548\2855.96 33.78\0.8496\5245.95 33.68\0.9555\10.9946\2005\0.9392\0.9397\1. CSNet 39.69\0.9731\0.05 42.97\0.9900\0.02 34.25\0.9703\0.02 36.35\0.99661\0.01 36.25\0.9753\0.9750\0.918	Sampling Ratio (M/N) 0.2 (PSNR\SSIM\running time)						
MH 34.80\0.9223\39.89 36.35\0.9503\13.74 25.81\0.8324\21.60 32.98\0.8224\17.67 30.47\0.9130\17 CoS 34.15\0.9074\0.925.87 36.77\0.9554\0.988.52 29.66\0.9323\0.934.69.95 31.91\0.8043\0.803.53 31.56\0.9342\0.932\0.9387\0.9315\0.828.85 40.03\0.9764\0.64.59 29.29\0.9337\0.21.37 33.26\0.8314\0.218.75 32.92\0.9555\0.2 CSNet 37.70\0.9563\0.06 39.78\0.9804\0.02 31.79\0.9523\0.02 35.08\0.8763\0.01 33.82\0.9603\0.808\0.8763\0.01 33.82\0.9603\0.808\0.8763\0.01 33.82\0.9603\0.808\0.8763\0.01 33.82\0.9603\0.808\0.8763\0.01 33.82\0.9603\0.808\0.8763\0.01 33.82\0.9603\0.808\0.8763\0.01 33.82\0.9603\0.808\0.8763\0.9430\0.63 38.77\0.9677\5.65 26.62\0.8247\0.405 33.44\0.8494\0.243 32.74\0.9400\0.7 TV 34.45\0.9170\0.826 35.66\0.9392\0.828 30.32\0.9305\0.211 33.27\0.8401\0.200 30.67\0.9266\0.298\0.808\0.9326\0.635.08 \0.9336\0.933\0.933\0.23\0.9305\0.211 33.27\0.8401\0.200 30.67\0.9266\0.939\0.933\0.808\0.958\0.958\0.9326\0.635.08 \0.933\0.973\0.933\0.933\0.933\0.933\0.933\0.933\0.808\0.8596\0.10.73 32.90\0.9337\0.13\0.939\0.933\0.880\0.8596\0.973\0.933\0.933\0.953\0.880\0.8596\0.973\0.933\0.933\0.968\0.953\0.933\0.968\0.953\0.933\0.968\0.953\0.975\0.933\0.968\0.953\0.993\0.933\0.980\0.461 36.25\0.9753\0.993	DWT	34.67\0.9207\24.36	36.15\0.9489\8.16	24.99\0.7930\6.74	28.00\0.7955\4.56	30.35\0.9163\8.	
CoS 34.15\(0.9074\so25.87 36.77\(0.9554\zeros.52 29.66\(0.9323\zeros.53 31.91\(0.8043\so35.38 31.56\(0.9342\zeros.52 35.35\(0.9315\zeros.82.885 40.03\(0.9764\zeros.64.59 29.29\(0.9337\zeros.21.37 33.26\(0.8314\zeros.814\zeros.218.75 32.92\(0.9555\zeros.22 37.70\(0.9563\cros.06 39.78\(0.9804\zeros.0.02 31.79\(0.9523\cros.0.02 35.08\(0.8763\cros.0.01 33.82\(0.9608\zeros.83\zeros.08 \)	TV	$32.60 \ 0.8821 \ 10.76$	$32.39 \ 0.9027 \ 3.37$	26.86\0.8848\2.84	$31.99 \ 0.7963 \ 2.42$	$28.40 \ 0.8884 \ 2.$	
GSR 35.35\0.9315\828.85	MH	$34.80 \ 0.9223 \ 39.89$	$36.35 \ 0.9503 \ 13.74$	25.81\0.8324\21.60	$32.98 \ 0.8224 \ 17.67$	$30.47 \backslash 0.9130 \backslash 17$	
CSNet 37.70\0.9563\0.06 39.78\0.9804\0.02 31.79\0.9523\0.02 35.08\0.8763\0.01 33.82\0.9603Variable of the content of the co		$34.15 \ 0.9074 \ 8025.87$	$36.77 \ 0.9554 \ 2698.52$	29.66\0.9323\3469.95	31.91\0.8043\5035.38	$31.56 \ 0.9342 \ 25$	
Sampling Ratio (M/N) 0.3 (PSNR\SSIM\running time)	GSR	35.35\0.9315\828.85	40.03 \0.9764\264.59	$29.29 \ 0.9337 \ 221.37$	$33.26 \ 0.8314 \ 218.75$	$32.92 \ 0.9555 \ 23$	
DWT 36.50\0.9430\16.33 38.77\0.9677\5.65 26.62\0.8247\4.05 33.44\0.8494\2.43 32.74\0.9400\7 TV 34.45\0.9170\8.26 35.06\0.9392\2.82 30.32\0.9305\2.11 33.27\0.8401\2.00 30.67\0.9266\2 MH 36.50\0.9430\29.93 38.77\0.9677\10.12 27.84\0.8689\14.87 34.28\0.8596\10.73 32.90\0.9397\1 CoS 35.88\0.9326\6635.08 39.60\0.9733\2230.49 32.39\0.9548\2855.96 33.78\0.8496\5245.95 33.68\0.9553\16 GSR 37.32\0.9538\845.79 42.84\0.9861\272.09 33.60\0.9639\232.55 34.64\0.8705\248.28 35.73\0.9720\2 CSNet 39.69\0.9731\0.05 42.97\0.9900\0.02 34.25\0.9703\0.02 36.35\0.9061\0.01 36.25\0.9753\0.9753\0.9753\0.9773\0.977\0.9575\12.81 40.84\0.9777\3.76 28.17\0.8528\4.66 35.03\0.8800\4.61 34.60\0.9565\5 TV 36.06\0.9404\6.76 37.56\0.9615\2.82 33.66\0.9574\1.80 34.45\0.8724\1.67 32.72\0.9499\1 MH 37.97\0.9575\29.71 40.84\0.9777\8.99 29.45\0.8922\30.80 35.31\0.8866\19.32 34.70\0.9544\1. CoS 37.59\0.9524\s\stri7.50 41.96\0.9839\s\strime{1.316}\0.946\0.48 36.23	CSNet	$37.70 \backslash 0.9563 \backslash 0.06$	$39.78 \backslash 0.9804 \backslash 0.02$	$31.79 \backslash 0.9523 \backslash 0.02$	$35.08 \backslash 0.8763 \backslash 0.01$	$33.82 \langle 0.9603 \rangle$	
TV 34.45\0.9170\8.26 35.06\0.9392\2.82 30.32\0.9305\2.11 33.27\0.8401\2.00 30.67\0.9266\2 MH 36.50\0.9430\29.93 38.77\0.9677\10.12 27.84\0.8689\14.87 34.28\0.8596\10.73 32.90\0.9397\1 CoS 35.88\0.9326\6635.08 39.60\0.9733\2230.49 32.39\0.9548\2855.96 33.78\0.8496\5245.95 33.68\0.9553\16 GSR 37.32\0.9538\845.79 42.84\0.9861\272.09 33.60\0.9639\232.55 34.64\0.8705\248.28 35.73\0.9720\2 CSNet 39.69\0.9731\0.05 42.97\0.9900\0.02 34.25\0.9703\0.02 36.35\0.9061\0.01 36.25\0.9753\ Sampling Ratio (M/N) 0.4 (PSNR\SSIM\running time) DWT 37.97\0.9575\12.81 40.84\0.9777\3.76 28.17\0.8528\4.66 35.03\0.8800\4.61 34.60\0.9565\5 TV 36.06\0.9404\6.76 37.56\0.9615\2.82 33.66\0.9574\1.80 34.45\0.8724\1.67 32.72\0.9499\1 MH 37.97\0.9575\29.71 40.84\0.9777\8.99 29.45\0.9822\30.80 35.31\0.8866\19.32 34.70\0.9544\1. CoS 37.59\0.9524\51177.50 41.96\0.9832\1566.75 34.81\0.9865\1580.933\1.08800\4.61 35.72\0.9944\271.72 37.91\0.9810\2 GSR 39.08\0.9682\981.18 45.12\0.9910\460.48 36.23\0.9754\462.25 35.72\0.8974\271.72 37.91\0.9810\2 CSNet 41.58\0.9830\0.09 45.52\0.9942\0.03 36.48\0.9801\0.02 37.45\0.9264\0.02 38.44\0.9847\ TV 37.55\0.968\5.90 39.66\0.9742\1.76 36.20\0.9714\2.31 35.57\0.9048\2.21 36.54\0.968\1 BWH 39.40\0.9683\29.45 42.60\0.9839\3.11 29.76\0.8794\2.48 36.07\0.9048\2.21 36.54\0.968\1 BWH 39.40\0.9683\29.45 42.60\0.9839\3.11 29.76\0.8794\2.48 36.07\0.9048\2.21 36.54\0.968\1 BWH 39.40\0.9683\29.45 42.60\0.9839\3.11 29.76\0.8794\2.48 36.07\0.9048\2.21 36.54\0.968\1 BWH 39.40\0.9683\29.45 42.60\0.9839\9.21 31.16\0.9131\13.35 36.35\0.9104\10.01 36.54\0.965\1.22 39.91\0.9870\2.25 39.91	Sampling Ratio (M/N) 0.3 (PSNR\SSIM\running time)						
MH 36.50\0.9430\29.93 38.77\0.9677\10.12 27.84\0.8689\14.87 34.28\0.8596\10.73 32.90\0.9397\1 CoS 35.88\0.9326\6635.08 39.60\0.9733\2230.49 32.39\0.9548\2855.96 33.78\0.8496\5245.95 33.68\0.9553\16 GSR 37.32\0.9538\845.79 42.84\0.9861\272.09 33.60\0.9639\232.55 34.64\0.8705\248.28 35.73\0.9720\2 CSNet 39.69\0.9731\0.05 42.97\0.9900\0.02 34.25\0.9703\0.02 36.35\0.9061\0.01 36.25\0.9753\ Sampling Ratio (M/N) 0.4 (PSNR\SSIM\running time) DWT 37.97\0.9575\12.81 40.84\0.9777\3.76 28.17\0.8528\4.66 35.03\0.8800\4.61 34.60\0.9565\5 TV 36.06\0.9404\0.76 37.56\0.9615\2.82 33.66\0.9574\1.80 34.45\0.8724\1.67 32.72\0.9499\1 MH 37.97\0.9575\2.9.71 40.84\0.9777\8.99 29.45\0.8922\30.80 35.31\0.8866\19.32 34.70\0.9544\1.67 COS 37.59\0.9584\5187.50 41.96\0.9832\1566.75 34.81\0.9685\1850.93 35.14\0.8839\4398.08 35.79\0.9693\12 CSNet 41.58\0.9830\0.09 45.52\0.9942\0.03 36.48\0.9801\0.02 37.45\0.9264\0.02 38.44\0.9847\0.9847\0.9847\0.9847\0.9847\0.9847\0.9847\0.9849\0.9848\0.9893\0.983\0.988\0.983\0	DWT	36.50\0.9430\16.33	$38.77 \backslash 0.9677 \backslash 5.65$	26.62\0.8247\4.05	33.44\0.8494\2.43	$32.74 \ 0.9400 \ 7.$	
Cos 35.88\0.9326\6635.08 39.60\0.9733\2230.49 32.39\0.9548\2855.96 33.78\0.8496\5245.95 33.68\0.9553\10 GSR 37.32\0.9538\845.79 42.84\0.9861\272.09 33.60\0.9639\232.55 34.64\0.8705\248.28 35.73\0.9720\2 CSNet 39.69\0.9731\0.05 42.97\0.9900\0.02 34.25\0.9703\0.02 36.35\0.9061\0.01 36.25\0.9753\0.9753\0.02 Sampling Ratio (M/N) 0.4 (PSNR\SSIM\running time) DWT 37.97\0.9575\12.81 40.84\0.9777\3.76 28.17\0.8528\4.66 35.03\0.8800\4.61 34.60\0.9565\5 TV 36.06\0.9404\6.76 37.56\0.9615\2.82 33.66\0.9574\1.80 34.45\0.8724\1.67 32.72\0.9499\1 MH 37.97\0.9575\29.71 40.84\0.9777\8.99 29.45\0.8922\30.80 35.31\0.8866\19.32 34.70\0.9544\1.6 Cos 37.59\0.9524\5177.50 41.96\0.9832\1566.75 34.81\0.9685\1850.93 35.14\0.8839\4308.08 35.79\0.9594\271.72 37.91\0.9810\2 CSNet 41.58\0.9830\0.09 45.52\0.9942\0.03 36.48\0.9801\0.02 37.45\0.9264\0.02 38.44\0.9847\ TV 37.55\0.9568\5.90 39.66\0.9742\1.76 36.20\0.9714\2.31 35.57	TV	$34.45 \ 0.9170 \ 8.26$	$35.06 \ 0.9392 \ 2.82$	30.32\0.9305\2.11	$33.27 \ 0.8401 \ 2.00$	$30.67 \backslash 0.9266 \backslash 2.$	
GSR 37.32\(0.9538\\845.79\) 42.84\(0.9861\\272.09\) 33.60\(0.9639\\232.55\) 34.64\(0.8705\\248.28\) 35.73\(0.9720\\228.26\) CSNet 39.69\(0.9731\\0.05\) 42.97\(0.9900\\0.02\) 34.25\(0.9703\\0.02\) 36.35\(0.9061\\0.01\) 36.25\(0.9753\\0.02\) Sampling Ratio (M/N) 0.4 (PSNR\SSIM\running time) DWT 37.97\(0.9575\\12.81\) 40.84\(0.9777\\3.76\) 28.17\(0.8528\\4.66\) 35.03\(0.8800\\4.61\) 34.60\(0.9565\\5\) TV 36.06\(0.9404\\6.76\) 37.56\(0.9615\\2.82\) 33.66\(0.9574\\1.80\) 34.45\(0.8724\\1.67\) 32.72\(0.9499\\1.91\) MH 37.97\(0.9575\\2.971\) 40.84\(0.9777\\8.99\) 29.45\(0.8922\\30.80\) 35.31\(0.8866\\19.32\) 34.70\(0.9544\\1.67\) CoS 37.59\(0.9524\\5177.50\) 41.96\(0.9832\\1566.75\) 34.81\(0.9685\\1850.93\) 35.14\(0.8839\\4308.08\) 35.79\(0.9949\\1.72\) 37.91\(0.9810\\22.82\) CSNet 41.58\(0.9830\\0.09\) 45.52\(0.9942\\0.03\) 36.48\(0.9801\\0.02\) 37.45\(0.9264\\0.02\) 38.44\(0.9847\\0.9847\\0.9847\\0.9847\\0.9847\\0.9843\\0.983\\0.984\\0.983\\0.984\\0.983\\0.984\\0.983\\0.9781\\0.101.73\) 47.06\(0.9938\\32.31\) 38.62\(0.9826\\259.95\) 36.84\(0.9207\261.22\) 39.91\(0.9870\\2.23\) 39.91\(0.9870\\2.23\) 38.62\(0.9826\\259.95\) 36.84\(0.9207\261.22\) 39.91\(0.9870\\2.23\)	MH	36.50\0.9430\29.93	$38.77 \ 0.9677 \ 10.12$	27.84\0.8689\14.87	34.28\0.8596\10.73	$32.90 \ 0.9397 \ 14$	
CSNet 39.69\0.9731\0.05 42.97\0.9900\0.02 34.25\0.9703\0.02 36.35\0.9061\0.01 36.25\0.9753\0.9753\0.02 Sampling Ratio (M/N) 0.4 (PSNR\SSIM\running time) DWT 37.97\0.9575\12.81 40.84\0.9777\3.76 28.17\0.8528\4.66 35.03\0.8800\4.61 34.60\0.9565\5 TV 36.06\0.9404\6.76 37.56\0.9615\2.82 33.66\0.9574\1.80 34.45\0.8724\1.67 32.72\0.9499\1 MH 37.97\0.9575\29.71 40.84\0.9777\8.99 29.45\0.8922\30.80 35.31\0.8866\19.32 34.70\0.9544\1.6 CoS 37.59\0.9524\5177.50 41.96\0.9832\1566.75 34.81\0.9685\1850.93 35.14\0.8839\4308.08 35.79\0.9693\12 GSR 39.08\0.9682\981.18 45.12\0.9910\460.48 36.23\0.9754\462.25 35.72\0.8974\271.72 37.91\0.9810\2 CSNet 41.58\0.9830\0.09 45.52\0.9942\0.03 36.48\0.9801\0.02 37.45\0.9264\0.02 38.44\0.9847\ DWT 39.40\0.9683\10.38 42.60\0.9839\3.11 29.76\0.8794\2.48 36.07\0.9048\2.21 36.54\0.9683\4 TV 37.55\0.9568\5.90 39.66\0.9742\1.76 36.20\0.9714\2.31 35.57\0.9007\1.89 34.78\0.9688\1	CoS	$35.88 \ 0.9326 \ 6635.08$	$39.60 \ 0.9733 \ 2230.49$	$32.39 \ 0.9548 \ 2855.96$	33.78\0.8496\5245.95	$33.68 \ 0.9553 \ 16$	
Sampling Ratio (M/N) 0.4 (PSNR\SSIM\running time)	GSR	37.32\0.9538\845.79	$42.84 \ 0.9861 \ 272.09$	33.60\0.9639\232.55	$34.64 \ 0.8705 \ 248.28$	$35.73 \ 0.9720 \ 27$	
DWT 37.97\0.9575\12.81 40.84\0.9777\3.76 28.17\0.8528\4.66 35.03\0.8800\4.61 34.60\0.9565\5 TV 36.06\0.9404\6.76 37.56\0.9615\2.82 33.66\0.9574\1.80 34.45\0.8724\1.67 32.72\0.9499\1 MH 37.97\0.9575\29.71 40.84\0.9777\8.99 29.45\0.8922\30.80 35.31\0.8866\19.32 34.70\0.9544\1. CoS 37.59\0.9524\5177.50 41.96\0.9832\1566.75 34.81\0.9685\1850.93 35.14\0.8839\4308.08 35.79\0.9693\12 GSR 39.08\0.9682\981.18 45.12\0.9910\460.48 36.23\0.9754\462.25 35.72\0.8974\271.72 37.91\0.9810\2 CSNet 41.58\0.9830\0.09 45.52\0.9942\0.03 36.48\0.9801\0.02 37.45\0.9264\0.02 38.44\0.9847\ Sampling Ratio (M/N) 0.5 (PSNR\SSIM\running time) 5 Sampling Ratio (M/N) 0.5 (PSNR\SSIM\running time) 36.54\0.9683\4 DWT 37.55\0.9568\5.90 39.66\0.9742\1.76 36.20\0.9714\2.31 35.57\0.9007\1.89 34.78\0.9668\1 MH 39.40\0.9683\29.45 42.60\0.9839\9.21 31.16\0.9131\13.35 36.35\0.9104\10.01 36.54\0.9652\1 Cos 39.10\0.9651\4906.03 43.86\0.9884\2437.14 <td< td=""><td>CSNet</td><td>$39.69 \backslash 0.9731 \backslash 0.05$</td><td>$42.97 \backslash 0.9900 \backslash 0.02$</td><td>$34.25 \backslash 0.9703 \backslash 0.02$</td><td>$36.35 \backslash 0.9061 \backslash 0.01$</td><td>$36.25 \langle 0.9753 \rangle$</td></td<>	CSNet	$39.69 \backslash 0.9731 \backslash 0.05$	$42.97 \backslash 0.9900 \backslash 0.02$	$34.25 \backslash 0.9703 \backslash 0.02$	$36.35 \backslash 0.9061 \backslash 0.01$	$36.25 \langle 0.9753 \rangle$	
TV 36.06\(0.9404\6.76\) 37.56\(0.9615\2.82\) 33.66\(0.9574\1.80\) 34.45\(0.8724\1.67\) 32.72\(0.9499\1\) MH 37.97\(0.9575\2.9.71\) 40.84\(0.9777\8.99\) 29.45\(0.8922\30.80\) 35.31\(0.8866\19.32\) 34.70\(0.9544\1.67\) CoS 37.59\(0.9524\5177.50\) 41.96\(0.9832\1566.75\) 34.81\(0.9685\1850.93\) 35.14\(0.8839\4308.08\) 35.79\(0.9693\12\) GSR 39.08\(0.9682\981.18\) 45.12\(0.9910\460.48\) 36.23\(0.9754\462.25\) 35.72\(0.8974\271.72\) 37.91\(0.9810\2\) CSNet 41.58\(0.9830\0.09\) 45.52\(0.9942\0.03\) 36.48\(0.9801\0.02\) 37.45\(0.9264\0.02\) 38.44\(0.9847\0	Sampling Ratio (M/N) 0.4 (PSNR\SSIM\running time)						
MH 37.97\0.9575\29.71 40.84\0.9777\8.99 29.45\0.892\30.80 35.31\0.8866\19.32 34.70\0.9544\1. CoS 37.59\0.9524\51.77.50 41.96\0.9832\1566.75 34.81\0.9685\1850.93 35.14\0.8839\4308.08 35.79\0.9693\12 GSR 39.08\0.9682\981.18 45.12\0.9910\460.48 36.23\0.9754\462.25 35.72\0.8974\271.72 37.91\0.9810\2 CSNet 41.58\0.9830\0.09 45.52\0.9942\0.03 36.48\0.9801\0.02 37.45\0.9264\0.02 38.44\0.9847\ Sampling Ratio (M/N) 0.5 (PSNR\SSIM\running time) DWT 39.40\0.9683\10.38 42.60\0.9839\3.11 29.76\0.8794\2.48 36.07\0.9048\2.21 36.54\0.9683\4 TV 37.55\0.9568\5.90 39.66\0.9742\1.76 36.20\0.9714\2.31 35.57\0.9007\1.89 34.78\0.9668\1 MH 39.40\0.9683\29.45 42.60\0.9839\9.21 31.16\0.9131\13.35 36.35\0.9104\10.01 36.54\0.9652\1 CoS 39.10\0.9651\4906.03 43.86\0.9884\2437.14 37.27\0.9781\3103.51 36.23\0.9060\7803.89 37.58\0.9784\22 GSR 40.83\0.9781\1010.73 47.06\0.9938\322.31 38.62\0.9826\259.95 36.84\0.9207\261.22 39.91\0.9870\2	DWT	37.97\0.9575\12.81	40.84\0.9777\3.76	28.17\0.8528\4.66	35.03\0.8800\4.61	$34.60 \ 0.9565 \ 5.$	
Cos 37.59\0.9524\5177.50 41.96\0.9832\1566.75 34.81\0.9685\1850.93 35.14\0.8839\4308.08 35.79\0.9693\12 GSR 39.08\0.9682\981.18 45.12\0.9910\460.48 36.23\0.9754\462.25 35.72\0.8974\271.72 37.91\0.9810\2 CSNet 41.58\0.9830\0.09 45.52\0.9942\0.03 36.48\0.9801\0.02 37.45\0.9264\0.02 38.44\0.9847\ Sampling Ratio (M/N) 0.5 (PSNR\SSIM\running time) DWT 39.40\0.9683\10.38 42.60\0.9839\3.11 29.76\0.8794\2.48 36.07\0.9048\2.21 36.54\0.9683\4 TV 37.55\0.9568\5.90 39.66\0.9742\1.76 36.20\0.9714\2.31 35.57\0.9007\1.89 34.78\0.9668\1 MH 39.40\0.9683\29.45 42.60\0.9839\9.21 31.16\0.9131\13.35 36.35\0.9104\10.01 36.54\0.9652\1 Cos 39.10\0.9651\4906.03 43.86\0.9884\2437.14 37.27\0.9781\3103.51 36.23\0.9060\7803.89 37.58\0.9784\22 GSR 40.83\0.9781\1010.73 47.06\0.9938\322.3138.62\0.9826\259.95 36.84\0.9207\261.22 39.91\0.9870\2	TV	36.06\0.9404\6.76	37.56\0.9615\2.82	33.66\0.9574\1.80	$34.45 \ 0.8724 \ 1.67$	$32.72 \ 0.9499 \ 1.$	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		$37.97 \ 0.9575 \ 29.71$	$40.84 \backslash 0.9777 \backslash 8.99$	$29.45 \ 0.8922 \ 30.80$	35.31\0.8866\19.32	34.70\0.9544\13	
CSNet 41.58\0.9830\0.09 45.52\0.9942\0.03 36.48\0.9801\0.02 37.45\0.9264\0.02 38.44\0.9847\0.9847\0.9847\0.9847\0.9847\0.9847\0.9847\0.9847\0.9847\0.9847\0.9847\0.9847\0.9848\0.9847\0.9847\0.9848\0.9841\0.9847\0.9848\0.9841\0.9847\0.9848\0.9841\0.9848\0.9841\0.9848\0.9841\0.9847\0.9848\0.9841\0.9848	CoS	$37.59 \ 0.9524 \ 5177.50$	$41.96 \ 0.9832 \ 1566.75$	$34.81 \ 0.9685 \ 1850.93$	35.14\0.8839\4308.08	$35.79 \ 0.9693 \ 14$	
Sampling Ratio (M/N) 0.5 (PSNR\SSIM\running time) DWT 39.40\0.9683\10.38 42.60\0.9839\3.11 29.76\0.8794\2.48 36.07\0.9048\2.21 36.54\0.9683\4 TV 37.55\0.9568\5.90 39.66\0.9742\1.76 36.20\0.9714\2.31 35.57\0.9007\1.89 34.78\0.9668\1 MH 39.40\0.9683\29.45 42.60\0.9839\9.21 31.16\0.9131\13.35 36.35\0.9104\10.01 36.54\0.9652\1 Cos 39.10\0.9651\4906.03 43.86\0.9884\2437.14 37.27\0.9781\3103.51 36.23\0.9060\7803.89 37.58\0.9784\23 GSR 40.83\0.9781\1010.73 47.06\0.9938\322.31 38.62\0.9826\259.95 36.84\0.9207\261.22 39.91\0.9870\2	GSR	39.08\0.9682\981.18	45.12\0.9910\460.48	36.23\0.9754\462.25	$35.72 \ 0.8974 \ 271.72$	37.91\0.9810\28	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	CSNet	$41.58 \langle 0.9830 \rangle 0.09$	$45.52 \backslash 0.9942 \backslash 0.03$	$36.48 \backslash 0.9801 \backslash 0.02$	$37.45 \backslash 0.9264 \backslash 0.02$	$38.44 \langle 0.9847 \rangle$	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$							
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	DWT	39.40\0.9683\10.38	42.60\0.9839\3.11	$29.76 \ 0.8794 \ 2.48$	36.07\0.9048\2.21	36.54\0.9683\4.	
CoS 39.10\0.9651\4906.03 43.86\0.9884\2437.14 37.27\0.9781\3103.51 36.23\0.9060\7803.89 37.58\0.9784\23 GSR 40.83\0.9781\1010.73 47.06\0.9938\322.31 38.62\0.9826\259.95 36.84\0.9207\261.22 39.91\0.9870\2	TV	37.55\0.9568\5.90	39.66\0.9742\1.76	36.20\0.9714\2.31	35.57\0.9007\1.89	$34.78 \ 0.9668 \ 1.$	
GSR $40.83 \setminus 0.9781 \setminus 1010.73$ $47.06 \setminus 0.9938 \setminus 322.31$ $38.62 \setminus 0.9826 \setminus 259.95$ $36.84 \setminus 0.9207 \setminus 261.22$ $39.91 \setminus 0.9870 \setminus 261.22$	MH	$39.40 \ 0.9683 \ 29.45$	42.60\0.9839\9.21	31.16\0.9131\13.35	36.35\0.9104\10.01	36.54\0.9652\13	
	CoS	39.10\0.9651\4906.03	43.86\0.9884\2437.14	37.27\0.9781\3103.51	$36.23 \ 0.9060 \ 7803.89$	$37.58 \ 0.9784 \ 23$	
	GSR	40.83\0.9781\1010.73	47.06 \0.9938\322.31	$38.62 \ 0.9826 \ 259.95$	36.84\0.9207\261.22	39.91 \0.9870\2	
	CSNet	$43.00 \backslash 0.9879 \backslash 0.06$			$38.28 \backslash 0.9386 \backslash 0.02$	39.74\ 0.9885 \0	