SUPPLEMENTARY TABLES & SUMMARY STATISTICS

Supplementary Table 1. Objective Performance in Experiment 1

	Single-Task	Dual-Task (DT)	Two-way ANOVA p-values			
EXP 1	(ST)		attention [ST vs DT]	block	attention x block	
Faces	.78 ± .013	.75 ± .012	0.039	>.25	>.25	
Letter	.80 ± .014	.76 ± .027	0.025	>.25	>.25	
		Tradeoff (TA^{actu}	^{al})			
	mean±sem	p against 0	p against 1			
Letter + Faces	.77 ± .063	<.001	0.007			

Supplementary Table 2. Mean confidence ratings for correct and incorrect trials in Experiment 1

EXP 1	ST	DT	
Faces (correct)	2.6 ± .18	2.5 ± .19	Attention: $x^2=3.8$, p=.053
Faces (incorrect)	2.1 ± .19	2.2 ± .18	Attention: $x^2=1.9$, p=.171
	Correctness: x ² =174.0, p<.001	Correctness: x ² =112.9, p<.001	Interaction: x ² =4.26, p=.039
	ST	DT	
Letter (correct)	2.9 ± .16	2.8 ± .16	Attention: x ² =13.9, p<.001
Letter (incorrect)	2.5 ± .19	2.5 ± .20	Attention: x^2 =.003, p>.25
	Correctness: x ² =182.5, p<.001	Correctness: x ² =120.5, p<.001	Interaction: x ² =4.15, p=.042

Supplementary Table 3. Metacognitive accuracy in Experiment 1

			Two-way	ny ANOVA p-values		
EXP 1	ST	DT	attention [ST vs DT]	block	attention x block	
Faces	.62 ± .017	.59 ± .014	0.042	0.155	>.25	
Letter	.64 ± .017	.60 ± .022	0.016	>.25	>.25	
		TA ^{actual}				
	mean±sem	p against 0	p against 1			
Letter + Faces	.50 ± .123	0.005	0.005			

Supplementary Table 4. Objective Performance in Experiment 2

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EXP 2	ST	Dual-Task Partial-Report (pDT)	Dual-Task Whole-Report (wDT)
Disks	.77 ± .012	.57 ± .020	.53 ± .011
Letter	.79 ± .016	.72 ± .027	.75 ± .020
	TA ^{actual}		
	mean±sem	p against 0	p against 1
Letter + Disks (whole-report)	04 ± .055	>.25	<.001
Letter + Disks (partial-report)	.02 ± .100	>.25	<.001

Supplementary Table 5. Mean confidence ratings for correct and incorrect trials in Experiment 2

EXP 2	ST	pDT	wDT	
Disks (correct)	2.6 ± .24	1.9 ± .16	1.8 ± .17	Attention: x ² =796.9, p<.001
Disks (incorrect)	2.2 ± .24	1.8 ± .14	1.8 ± .18	Attention: x ² =146.1, p<.001
	Correctness: x ² =111.4, p<.001	Correctness: x ² =13.6, p<.001	Correctness: $x^2=1.3$, p>.25	Interaction: x ² =68.98, p<.001
	ST	pDT	wDT	
Letter (correct)	2.8 ± .22	2.6 ± .16	2.5 ± .17	Attention: x ² =90.9, p<.001
Letter (incorrect)	2.5 ± .24	2.1 ± .16	2.2 ± .18	Attention: x ² =78.0, p<.001
	Correctness: x ² =83.0, p<.001	Correctness: x ² =147.8, p<.001	Correctness: x ² =122.2, p<.001	Interaction: x ² =6.42, p=.040

Supplementary Table 6. Metacognitive accuracy in Experiment 2

				Two-way ANOVA p-values			
EXP 2	ST	pDT	wDT	attention [ST, pDT, wDT]	block	attention x block	
Disks	.61 ± .013	.53 ± .010	.50 ± .011	<.001	>.25	>.25	
Letters	.60 ± .015	.62 ± .019	.61 ± .018	>.25	0.2	>.25	
		TA ^{actual}					
	mean±sem	p against 0	p against 1				
Letters + Disks (whole-report)	.12 ± .156	>.25	<.001				
Letters + Disks (partial-report)	.61 ± .238	0.036	0.155				

Supplementary Table 7. Objective Performance in Experiment 3

o appromonant y			Two-way ANOVA p-values			
EXP 3	ST	Letter & Face Dual-Task (face-DT)	Letter & Disk Dual-Task (disk-DT)	stimulus [face vs disk]	attention	stimulus x attention
Blended Faces	.76 ± .014	.71 ± .030	-	<.001	<.001	1 004
Blended Disks	.75 ± .017	-	.53 ± .012			<.001
Letter	.81 ± .016	.80 ± .020	.79 ± .019			
	TA ^{actual}					
	mean±sem	p against 1	p against 0			
Letter + Blended Faces	.76 ± .072	<.001	0.012			
Letter + Blended Disks	.08 ± .074	>.25	<.001			

Supplementary Table 8. PAS ratings in Experiment 3. We report the main effect of correctness (for each attention condition), attention (for correct and incorrect trials) and interaction in the same format as in Table 2 and 5.

EXP 3	ST	face-DT	disk-DT	
Faces (correct)	2.2 ± .09	2.0 ± .12	-	x ² =63.1, p<.001
Faces (incorrect)	1.9 ± .12	1.6 ± .09	-	x ² =50.5, p<.001
	x ² =74.6, p<.001	x ² =108.1, p<.001	-	Interaction: x ² =0.40, p>.25
	ST	face-DT	disk-DT	
Disks (correct)	2.2 ± .19	-	1.6 ± .17	x ² =326.9, p<.001
Disks (incorrect)	1.9 ± .21	-	1.5 ± .17	x ² =60.1, p<.001
	x ² =90.9, p<.001	-	x ² =6.5, p=.01	Interaction: x ² =38.7, p<.001
	ST	face-DT	disk-DT	
Letter (correct)	2.9 ± .13	2.7 ± .17	2.7 ± .17	x ² =47.7, p<.001
Letter (incorrect)	2.4 ± .14	2.3 ± .13	2.2 ± .13	x ² =18.0, p<.001
	x ² =105.6, p<.001	x ² =95.5, p<.001	x ² =141.4, p<.001	Interaction: x ² =.016, p>.25

Supplementary Table 9. Metacognitive accuracy in Experiment 3

			Two-way ANOVA p-va	Two-way ANOVA p-values		
EXP 3	ST	face-DT	disk-DT	stimulus [disk vs face]	attention	stimulus x attention
Blended Faces	.58 ± .021	.59 ± .014	-			
				0.032	0.232	0.082
Blended Disks	.58 ± .018	-	.53 ± .008			
Letter	.63 ± .012	.61 ± .022	.62 ± .016			
		TA ^{actual}				
	mean±sem	p against 0	p against 1			
Letters + Faces (n=6)	.91 ± .320	0.031	>.25			
Letter + Disks (n=8)	.59 ± .299	0.091	0.208			