

Appendix table 6-38

U.S. trade in optoelectronics products, by region/country/economy: 2000–12

(Millions of current dollars)

Region/country/economy	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Exports													
World	3,815	3,091	2,430	2,467	3,525	4,583	5,033	5,379	5,000	4,484	6,178	6,017	5,200
North America													
Canada	291	248	289	224	253	315	340	312	358	397	644	662	429
Mexico	167	130	158	312	273	320	325	372	508	788	547	651	575
Central and South America													
Argentina	5	5	1	3	4	22	10	12	10	13	12	16	11
Brazil	101	22	23	19	19	45	62	83	80	53	95	87	78
Chile	3	3	8	12	8	17	20	16	17	14	21	18	20
Colombia	3	5	5	4	6	12	17	22	35	32	17	27	23
Costa Rica	2	3	2	2	2	4	5	4	6	7	13	10	11
Peru	1	1	4	2	3	5	11	10	13	28	35	20	34
Venezuela	5	4	2	1	3	9	11	26	26	13	11	20	25
All others	46	14	14	12	11	39	36	58	79	44	55	64	68
Europe													
EU	1,415	1,227	737	728	959	1,460	1,545	1,654	1,746	1,432	1,951	1,607	1,048
Belgium	9	14	16	41	55	69	59	66	83	79	82	49	12
Czech Republic	2	1	3	3	3	4	6	19	8	8	39	15	8
France	114	80	58	62	92	102	118	88	116	115	157	110	64
Germany	398	485	294	238	338	506	534	714	732	761	1,008	718	515
Hungary	1	2	3	2	1	2	5	3	5	4	5	4	4
Ireland	30	27	19	52	47	120	52	24	27	7	10	17	13
Italy	134	132	48	65	46	84	73	71	104	120	156	93	44
Netherlands	130	109	120	126	195	321	377	357	255	117	222	323	174
Poland	2	3	4	3	6	6	8	10	10	7	12	11	10
Portugal	2	1	1	2	4	8	10	6	17	15	8	5	4
Spain	16	31	24	18	17	27	54	72	159	26	58	30	10
Sweden	25	47	10	5	8	13	22	23	28	26	17	25	18
United Kingdom	516	243	102	83	112	144	164	143	154	110	116	126	115
All others	34	53	33	27	35	56	61	56	48	36	59	79	56
Other Europe													
Norway	5	6	4	4	4	17	25	15	9	4	10	7	7
Russia	0	1	2	5	9	8	11	11	7	7	24	19	18
Switzerland	22	18	17	21	28	25	37	40	34	25	27	29	33
Ukraine	0	0	0	0	0	0	1	1	3	4	1	1	1
All others	0	0	0	0	0	1	1	1	0	0	0	1	5
Middle East													
Iran	0	0	0	0	0	0	0	0	0	0	0	0	0
Iraq	0	0	0	0	1	4	2	5	6	8	15	17	2
Israel	51	65	26	37	45	49	55	88	76	60	58	117	59
Saudi Arabia	1	1	2	2	1	5	7	7	18	25	20	16	8

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Turkey	9	3	6	4	4	12	8	19	18	12	10	16	9
United Arab Emirates	2	4	3	4	9	12	13	12	18	27	41	37	31
Africa													
Algeria	93	0	0	0	0	0	1	0	0	0	0	4	1
Angola	0	0	0	0	0	0	0	2	4	1	1	1	1
Congo, Democratic Republic of the	0	0	0	0	0	0	0	0	0	0	0	1	0
Egypt	4	2	1	4	1	3	4	9	1	1	6	7	8
Ethiopia	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenya	0	0	1	3	3	1	1	1	1	1	2	3	1
Morocco	2	0	1	0	0	0	0	0	1	5	4	2	0
Nigeria	0	0	1	0	0	5	3	1	9	7	5	9	4
South Africa	15	10	9	9	12	12	12	10	12	10	8	10	10
Tanzania	0	0	0	0	0	0	0	1	2	1	2	1	1
Tunisia	0	0	0	0	0	0	0	0	3	1	0	0	4
Uganda	0	6	0	1	0	0	0	0	1	1	0	0	0
All others	1	0	1	2	1	8	1	4	8	5	7	10	6
Asia													
Afghanistan	0	0	0	0	0	0	1	3	3	11	28	30	90
Bangladesh	0	0	1	1	0	0	0	1	0	0	0	1	0
Burma	0	0	0	0	0	0	0	0	0	0	0	0	0
Cambodia	0	0	0	0	0	0	0	1	0	0	0	0	0
China	135	181	185	219	266	317	363	446	369	291	561	449	442
India	12	44	10	16	11	24	28	49	28	44	61	159	111
Indonesia	3	0	1	1	1	0	1	1	2	1	3	11	14
Japan	557	483	348	346	545	845	778	774	576	307	452	516	476
Kazakhstan	0	0	0	0	0	0	1	0	2	0	1	0	1
Laos	0	1	0	0	0	0	0	0	0	0	0	0	0
Malaysia	100	34	31	31	41	55	99	60	84	35	51	48	55
Nepal	0	0	0	0	0	0	0	0	0	0	0	0	0
North Korea	0	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	0	0	1	1	7	1	2	7	9	10	4	7	2
Philippines	69	30	12	5	16	11	10	11	7	5	17	18	7
Singapore	140	102	97	112	184	130	187	186	206	109	263	138	167
South Korea	133	148	86	93	190	221	400	325	275	184	331	420	565
Sri Lanka	0	0	0	0	0	0	0	1	1	0	0	0	0
Taiwan	453	255	295	180	515	468	492	608	212	355	645	572	591
Thailand	12	9	10	16	33	35	35	41	30	22	28	51	38
Vietnam	0	0	1	0	1	1	1	2	2	6	17	10	4
Australia/Oceania													
Australia	38	25	28	26	43	39	47	44	63	51	39	61	68

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(Millions of current dollars)

Region/country/economy	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
New Zealand	2	3	3	3	3	7	7	4	5	6	6	3	7
Imports													
World	5,823	5,607	5,447	5,256	7,802	12,149	19,584	24,964	25,566	23,290	25,936	26,108	26,385
North America													
Canada	78	67	80	90	89	128	102	211	166	167	139	150	163
Mexico	503	561	432	627	2,141	4,957	10,164	14,147	14,623	13,379	13,972	12,581	12,043
Central and South America													
Argentina	0	0	1	0	0	0	0	3	3	2	3	5	4
Brazil	4	4	1	2	1	1	1	4	4	4	1	4	2
Chile	1	0	0	0	1	0	0	0	0	0	0	0	1
Colombia	0	0	0	0	0	0	0	1	0	1	0	0	1
Costa Rica	0	0	0	0	0	0	0	0	0	0	0	0	0
Peru	0	0	0	1	1	0	0	0	0	0	0	0	0
Venezuela	0	0	0	0	2	0	0	0	0	0	0	0	0
All others	10	7	6	8	6	6	7	9	10	7	11	10	10
Europe													
EU	351	407	455	664	677	822	770	957	988	695	918	1,047	1,137
Belgium	14	11	24	57	44	54	19	12	11	8	11	14	16
Czech Republic	1	1	4	4	6	3	4	6	6	5	11	27	43
France	53	44	48	38	29	38	33	42	48	47	79	69	61
Germany	90	108	117	118	137	298	356	507	589	372	462	567	619
Hungary	4	19	49	60	52	55	55	43	30	8	6	5	4
Ireland	2	5	11	8	12	12	9	6	4	5	4	3	2
Italy	16	16	17	24	31	38	41	36	31	25	36	48	54
Netherlands	32	61	80	235	223	159	72	67	45	25	44	46	24
Poland	0	0	0	0	0	1	1	3	1	2	2	2	2
Portugal	3	0	4	4	1	2	4	12	7	4	4	5	4
Spain	7	10	6	3	6	4	2	15	14	4	6	5	28
Sweden	11	15	24	27	34	27	24	20	34	36	41	22	26
United Kingdom	106	97	48	58	66	91	102	137	124	113	153	179	177
All others	14	15	23	28	33	41	48	60	45	41	57	57	75
Other Europe													
Norway	1	1	1	1	1	1	3	2	2	1	2	2	4
Russia	1	0	1	1	2	3	2	5	5	3	3	2	2
Switzerland	99	76	37	44	71	120	124	99	110	61	95	111	120
Ukraine	0	0	0	0	0	0	0	0	0	0	0	0	0
All others	0	1	1	1	1	0	1	0	0	0	0	0	0
Middle East													
Iran	0	0	0	0	0	4	0	0	0	0	0	0	0
Iraq	155	139	112	69	133	118	179	155	130	0	0	0	0
Israel	0	0	1	0	0	0	0	0	1	176	179	315	240

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Region/country/economy	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Saudi Arabia	0	0	0	0	0	0	0	0	0	0	0	0	0
Turkey	0	2	0	0	0	0	0	1	1	1	1	1	2
United Arab Emirates	0	0	0	1	0	0	0	0	0	0	0	0	0
Africa													
Algeria	0	0	0	0	0	0	0	0	0	0	0	0	0
Angola	0	0	0	0	0	0	0	0	0	0	0	0	0
Congo, Democratic Republic of the	0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	0	0	0	0	0	0	1	0	0	0	0	0	0
Ethiopia	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenya	0	0	0	0	0	0	0	0	0	0	0	0	0
Morocco	0	0	0	0	0	0	0	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0	0	0	0	0	0	0	0
South Africa	0	0	1	2	1	2	3	1	1	1	1	3	2
Tanzania	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0	0	0	0	0	0	0	1
Uganda	0	0	0	0	0	0	0	0	0	0	0	0	0
All others	0	0	0	0	0	0	1	0	0	0	0	0	0
Asia													
Afghanistan	0	0	0	0	0	0	0	0	0	0	0	0	0
Bangladesh	0	0	0	0	0	0	0	0	0	0	0	0	0
Burma	0	0	0	0	0	0	0	0	0	0	0	0	0
Cambodia	0	0	0	0	0	0	0	0	0	0	0	0	0
China	1,492	1,663	1,936	1,288	1,664	2,770	4,448	5,852	6,665	6,563	7,573	7,949	7,225
India	7	8	12	5	6	6	19	29	15	14	37	49	16
Indonesia	148	138	115	61	1	1	0	1	3	31	38	32	30
Japan	2,042	1,654	1,392	1,354	1,627	1,625	1,332	1,266	1,225	796	1,094	1,259	1,094
Kazakhstan	0	0	0	0	0	0	0	0	0	0	0	0	0
Laos	0	0	0	0	0	0	0	0	0	0	0	0	0
Malaysia	365	286	298	215	135	41	254	101	80	101	335	788	1,581
Nepal	0	0	0	0	0	0	0	0	0	0	0	0	0
North Korea	0	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0	0	0	0	0	0	0	0
Philippines	38	54	51	60	67	77	17	123	213	224	113	313	444
Singapore	200	134	99	102	124	132	153	170	194	195	313	393	482
South Korea	88	150	206	283	502	418	511	383	121	67	93	150	378
Sri Lanka	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	11,376	109	81	258	294	355	596	894	438	216	332	206	414
Thailand	7	145	119	109	173	330	753	33	25	499	546	554	743
Vietnam	0	0	0	0	0	0	4	97	74	74	126	167	234

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Region/country/economy	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Australia/Oceania													
Australia	2	2	8	6	1	14	16	7	6	7	7	12	10
New Zealand	0	0	0	1	2	1	2	2	2	2	2	1	1

EU = European Union.

NOTES: Technologies are classified by the U.S. Census. China includes Hong Kong. Detail may not add to total because of rounding or minor discrepancies.

SOURCE: U.S. Census Bureau, Business and Industry, Foreign Trade, U.S. International Trade Data, Country and Product Trade Data, Advanced Technology Products, <http://www.census.gov/foreign-trade/statistics/country/>, accessed 15 February 2013.

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