# Notes to Consolidated Financial Statements

TAIYO YUDEN CO., LTD. and Subsidiaries March 31, 2017 and 2016

#### 1. BASIS OF PRESENTING CONSOLIDATED FINANCIAL STATEMENTS

The accompanying consolidated financial statements of TAIYO YUDEN CO., LTD. (the "Company") and its consolidated subsidiaries have been prepared in accordance with the provisions set forth in the Japanese Financial Instruments and Exchange Act and its related accounting regulations, and in conformity with accounting principles generally accepted in Japan ("Japanese GAAP"), which are different in certain aspects as to application and disclosure requirements from International Financial Reporting Standards.

The accounts of consolidated overseas subsidiaries are prepared in accordance with either International Financial Reporting Standards or U.S. generally accepted accounting principles, and partially reflect the adjustments which are necessary to conform with Japanese GAAP.

The accompanying consolidated financial statements have been reformatted and translated into English (with some expanded descriptions) from the consolidated financial statements of the Company prepared in accordance with Japanese GAAP and filed with the appropriate Local Finance Bureau of the Ministry of Finance as required by the Financial Instruments and Exchange Act. Certain supplementary information included in the statutory Japanese language consolidated financial statements is not presented in the accompanying consolidated financial statements.

The translations of the Japanese yen amounts into U.S. dollars are included solely for the convenience of readers outside Japan, using the prevailing exchange rate at March 31, 2017, which was 112 yen to 1 U.S. dollar. The translations should not be construed as representations of what the Japanese yen amounts have been, could have been, or could in the future be when converted into U.S. dollars at this or any other rate of exchange.

#### 2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

#### (1) Consolidation Policies

The consolidated financial statements include the accounts of the Company and all of its subsidiaries (together the "Companies"). The Japanese accounting standards for consolidation require the control or influence concept for the consolidation scope of subsidiaries and equity-method affiliates. As of March 31, 2017 and 2016, the number of consolidated subsidiaries was 26 and 30, respectively. As of March 31, 2017 and 2016, the number of equity-method affiliates was 1 and 2, respectively. Significant intercompany accounts, transactions and unrealized profits have been eliminated in consolidation.

JVC Advanced Media EUROPE GmbH, which was a wholly-owned subsidiary of the Company, had been merged into TAIYO YUDEN EUROPE GmbH in the fiscal year ended March 31, 2017.

JVC ADVANCED MEDIA U.S.A. INC. and JVC Advanced Media (Tianjin) Co., LTD, which were the subsidiaries of Victor Advanced Media Co., Ltd. had been eliminated from the scope of consolidation due to completion of liquidation in the fiscal year ended March 31, 2017.

START Lab Inc. had been excluded from equity-method affiliates in the fiscal year ended March 31, 2017, due to completion of liquidation.

KOREA TONG YANG YUJUN CO., LTD, which was a subsidiary of the Company, had been merged into KOREA KYONG NAM TAIYO YUDEN CO., LTD., in the fiscal year ended March 31, 2017.

ELNA CO., LTD. was included in equity-method affiliates in the fiscal year ended March 31, 2016, due to conversion of preferred stock to common stock.

The difference between cost of the Company's investment securities in subsidiaries and its equity in their net assets at the dates of acquisition ("equivalents amount of goodwill") is being amortized within the subsequent 20 year periods. Investment in affiliate is accounted for by the equity method. Net income (loss) includes the equity in the current net earnings (losses) of such company after the elimination of unrealized intercompany profit.

#### (2) Cash and Cash Equivalents

Cash and cash equivalents include cash on hand, demand deposit, and short-term investments with original maturities of three months or less, that are readily convertible into known amount of cash and are so near maturity that they present negligible risk of changes in value.

#### (3) Foreign Currency Transactions

Short-term and long-term foreign currency monetary items are translated into Japanese yen at appropriate fiscal year-end current rates. The resulting net gains (losses) are shown as "Gain (loss) on foreign exchange" in the accompanying consolidated statements of income.

#### (4) Foreign Currency Financial Statements

In translating the financial statements of foreign subsidiaries for the purpose of consolidation, all assets and liabilities are translated into Japanese yen at appropriate fiscal year-end current rates while net assets accounts are translated at historical rates. Revenue and expense items are translated at the average rates during the fiscal year. The resulting translation differences are shown as "Foreign currency translation adjustments" in net assets at March 31, 2017 and 2016 in the accompanying consolidated balance sheets.

#### (5) Debt and Equity Securities

The Companies classify debt and equity securities, depending on management's intent, as follows: Available-for-sale securities represent securities not classified as either trading securities or held-to-maturity debt securities. Available-for-sale securities, which have fair value, are reported at fair value with unrealized gains (losses), net of applicable taxes

Available-for-sale securities, which do not have fair value, are stated at cost using the moving-average method. Equities of limited liability partnerships for investment business and of other similar partnerships (defined as "securities" by Article 2, Section 2 of the Financial Instruments and Exchange Act) are valued at the net equity equivalents based on the recently available financial statements of the partnership corresponding to the reporting dates of the financial statements defined by the partnership agreements.

#### (6) Inventories

Inventories are stated primarily at cost, determined by the average method for merchandise, finished products and work in process and by the first-in, first-out (FIFO) method for raw materials and supplies, modified by the writing down below cost to net realizable value

(7) Property, Plant and Equipment (Except for the leased assets)

Property, plant and equipment are stated at cost. For the Company and domestic consolidated subsidiaries, depreciation is principally computed by the declining-balance method at rates based on the estimated useful lives of the assets, except that the straight-line method is applied to building acquired on and after April 1, 1998, and facilities attached to buildings and structures, which were acquired since April 1, 2016. Useful lives of the assets and residual value of the assets are mainly estimated in consistent with the method accepted under the corporate tax law in Japan. For foreign subsidiaries, depreciation is principally computed by straight-line method.

#### (8) Leased Assets

Leased assets are depreciated over the leased term by the straight-line method with no residual value.

(9) Allowance for Doubtful Receivables

The Company and its domestic consolidated subsidiaries provide the allowance for doubtful accounts based on the percentage of actual bad debt losses against the balance of total receivables and the amount of uncollectible receivables estimated on an individual basis. Overseas consolidated subsidiaries record the allowance based primarily on the amount of uncollectible receivables estimated on an individual basis.

(10) Net Defined Benefit

Accrued retirement benefits for employees at certain consolidated subsidiaries are provided at the amount incurred during the fiscal year, which is based on the estimated present value of the defined benefit obligation less the estimated fair value of plan assets at the end of the fiscal year. Also, certain consolidated subsidiaries provide allowance for accrued pension and severance costs

(11) Accrued Retirement Benefits for Directors and Corporate Auditors

Certain subsidiaries of the Company provide lump-sum severance benefits for directors and corporate auditors. Accrued retirement benefits for directors and corporate auditors are provided at the amount which would be required based on their internal regulations if all directors and corporate auditors retired at the balance sheet date

(12) Accrued Bonuses for Employees

Accrued bonuses to employees are provided by the estimated amounts, which are obligated to pay to employees after the fiscal year-end, based on services provided during the current period.

(13) Accrued Bonuses for Directors

Accrued bonuses to directors are provided by the estimated amounts, which are obligated to pay to directors after the fiscal year-end, based on services provided during the current period.

(14) Income Taxes

The provision for income taxes is computed based on the pretax income for the financial reporting purposes. Deferred tax assets and liabilities are recognized for expected future tax consequences of temporary differences between the financial statement carrying amounts and the tax bases of assets and liabilities. A valuation allowance is recorded to reduce deferred tax assets if it is not probable that deferred tax assets will be realized in the future. The Company and certain domestic subsidiaries adopt a consolidated tax return system.

(15) Research and Development Costs

Expenditures by the Company and certain subsidiaries for development of specified new products are charged to income as incurred and were 10,008 million yen (89,358 thousand dollar) and 9,024 million yen for the years ended March 31, 2017 and 2016, respectively.

#### (16) Derivative and Hedging Activities

Companies are required to state derivative instruments at fair value and to recognize changes in the fair value as gains or losses unless derivative instruments are used for hedging purposes. The Company defers recognition of gains or losses resulting from changes in fair value of derivative instruments until the related losses or gains on the hedged items are recognized. If interest rate swap contracts are used as hedges and meet certain hedging criteria, the net amount to be paid or received under the interest rate swap contract is added to or deducted from the interest on the assets or liabilities for which the swap contract was executed.

The derivative transactions are executed and managed by the finance department in accordance with the established policies and within the specified limits on the amounts of derivative transactions allowed.

#### (17) Per Share Information

Basic earnings per share is computed by dividing net earnings attributable to owners of the parent by the weighted-average number of common shares outstanding in each period, retroactively adjusted for stock splits. Basic earnings per share for the years ended March 31, 2017 and 2016 are computed in accordance with Japanese accounting standards. Diluted earnings per share reflects the potential dilution that could occur if stock acquisition rights were exercised or convertible bonds are converted into common stock. Diluted earnings per share of common stock assumes full conversion of the outstanding convertible bonds at the beginning of the year (or at the time of issuance) with an applicable adjustment for related interest expense, net of tax, and full exercise of outstanding stock acquisition rights. Diluted earnings per share for the years ended March 31, 2017 and 2016 are computed in accordance with Japanese accounting standards. Cash dividends per share consist of interim and year-end dividends and are accounted for in the year they are declared rather than in the year in which they are actually paid.

(18) Certain Reclassifications

Certain reclassifications have been made to the prior year financial statements to conform to the presentation of the current year. These reclassifications have no significant impact on previously reported results of operations or retained earnings.

#### (Consolidated Statements of Income)

Previously, "Compensation expenses" amounting to 108 million yen was stated separately in other income (expenses) of consolidated statement of income for the year ended March 31, 2016. However, the Company has changed its method of presentation to include the account in "Other" as it is immaterial for this fiscal year. The consolidated financial statements for the year ended March 31, 2016 were rearranged in order to reflect the changes to presentation.

#### (19) Change in Accounting Policies

Due to amendments to the Japanese Corporation Tax Act, the Company and its consolidated domestic subsidiaries have applied "Practical Solution on a change in depreciation method due to Tax Reform 2016" (Practice Issue Task Force No.32, June 17, 2016 (hereinafter, "PITF No.32")) from the year ended March 31, 2017 and changed the depreciation method for buildings, facilities attached to buildings and structures, which were acquired since April 1, 2016, from the declining balance method to the straight line method. Impact of this change to the consolidated financial statements was immaterial

Effective from the year ended March 31, 2016, the Company and its consolidated domestic subsidiaries have applied the "Revised Accounting Standard for Business Combinations" (Accounting Standards Board of Japan ( "ASBJ") Statement No. 21, September 13, 2013 (hereinafter the "Business Combinations Accounting Standard")), "Revised Accounting Standard for Consolidated Financial Statements" (ASBJ Statement No. 22, September 13, 2013 (hereinafter the "Consolidation Accounting Standard")) and "Revised Accounting Standard for Business Divestitures"(ASBJ Statement No. 7, September 13, 2013 (hereinafter the "Business Divestitures Accounting Standard")). As a result, the Company changed its accounting policies to recognize in capital surplus the differences arising from the changes in the Company's ownership interest of subsidiaries over which the Company continues to maintain control and to record acquisition related costs as expenses in the fiscal year in which the costs are incurred. In addition, the Company changed its accounting policy for the reallocation of acquisition costs due to the completion following provisional accounting to reflect such reallocation in the consolidated financial statements for the fiscal year in which the business combination took place. The Company also changed the presentation of net income and the term "non-controlling interests" is used instead of "minority interests". Certain amounts in the prior year comparative information were reclassified to conform to such changes in the current year presentation.

With respect to application of the Accounting Standards for Business Combinations, the Company followed the provisional treatments in article 58-2 (4) of the Business Combinations Accounting Standard, article 44-5 (4) of the Consolidation Accounting Standard and article 57-4 (4) of the Business Divestitures Accounting Standard with application from the beginning of the current fiscal year prospectively.

In the consolidated statement of cash flows for the year ended March 31, 2016, cash flows from acquisition or disposal of shares of subsidiaries with no changes in the scope of consolidation are included in "Cash flows from financing activities" and cash flows from acquisition related costs for shares of subsidiaries with changes in the scope of consolidation or costs related to acquisition or disposal of shares of subsidiaries with no changes in the scope of consolidation are included in "Cash flows from operating activities"

Impact of these changes to the consolidated financial statements was immaterial. Also, impact of these changes to per share information was immaterial

#### (20) Additional information

Effective from the year ended March 31, 2017, the Company and its consolidated domestic subsidiaries have applied "Revised Implementation Guidance on Recoverability of Deferred Tax Assets" (ASBJ Guidance No. 26, March 28, 2016 (hereinafter, "Guidance No.26")),

#### 3. FINANCIAL INSTRUMENTS

(1) Qualitative information on financial instruments

a. Group policy for financial instruments

The Companies, which mainly produce and market electronic components, procure short-term operating funds with bank loans, and long-term funds for capital investment, etc. with bank loans and issuance of bonds in accordance with a capital investment plan.

Temporary surplus funds are managed as safe and secure financial funds such as short-term deposits. The Companies use derivative transactions to hedge risks stated below, and do not intend to use them for speculative purpose.

b. Risk management for financial instruments

Trade notes and accounts receivable which are operating receivables are exposed to consumer credit risk. Therefore, the Companies manage due dates and balances for each customer, and make efforts to early recognize concerns about collectability and reduce its risks due to deterioration in financial conditions, etc. Investment securities consisting mainly of shares of companies with which the Companies have business relationship are managed by grasping fair values and financial conditions of issuers on a regular basis.

Payment due dates of most trade notes and accounts payable which are operating payables are within one vear.

The Companies use borrowings, bonds and convertible bond with stock acquisition rights mainly for the purpose of procuring funds necessary for capital investment. As long-term loans with floating interest rate are exposed to the risk of interest-rate fluctuations, the Companies use derivative transactions (interest-rate swaps) to hedge the risk

Operating receivables in foreign currency which arise from the Company's global business development are exposed to the risk of exchange-rate fluctuations. The Companies use forward exchange contracts as hedging instruments for operating receivables in foreign currency to reduce the risk of exchange-rate fluctuations, in principle. The Companies also make forward exchange contracts to hedge risks from operating receivables in foreign currency which are surely brought about by forecasted transactions related to exports. The Companies make derivatives transactions only with high-rated financial institutions.

In accordance with the internal risk management regulations providing for trading authority, the ceiling and other matters, the finance department executes derivative transactions, and manages them by recording details of transactions and checking balances with counterparties.

A manager of finance department reports the results of transactions to a Chief of Headquarters in charge, and he/she reports to the Board of Directors. Consolidated subsidiaries do not use derivative transactions. The Company unifies the management of funds of the entire Group based on funding plans prepared by each group company in order to allow them to secure adequate liquidity.

c. Supplemental information on market value of financial instruments

Financial instruments without market quotations are stated at reasonably calculated value. Such value is calculated based on variable factors. Therefore, the value may be changed depending on prerequisites to be adopted.

## (2) Fair values of financial instruments not included in the table shown below.

(1) Cash. cash equivalents and time deposits (2) Trade notes and accounts receivable (3) Investment securities: 1) Available-for-sale securities 2) Investments in affiliate Total assets (4) Trade notes and accounts payable (5) Short-term borrowings (6) Other accounts payable

- (7) Income taxes pavable
- (8) Convertible bonds with stock acquisition rights
- (9) Long-term borrowings (\*1)
- Total liabilities
- (10) Derivative transactions (\*2)

(1) Cash, cash equivalents and time deposits (2) Trade notes and accounts receivable

- (3) Investment securities:
- 1) Available-for-sale securities
- 2) Investments in affiliate
- Total assets
- (4) Trade notes and accounts payable
- (5) Short-term borrowings
- (6) Other accounts payable
- (7) Income taxes payable
- (8) Convertible bonds with stock acquisition rights
- (9) Long-term borrowings (\*1)
- Total liabilities
- (10) Derivative transactions (\*2)

(1) Cash, cash equivalents and time deposits

- (2) Trade notes and accounts receivable
- (3) Investment securities:
- 1) Available-for-sale securities
- 2) Investments in affiliate
- Total assets
- (4) Trade notes and accounts payable
- (5) Short-term borrowings
- (6) Other accounts payable
- (7) Income taxes payable
- (8) Convertible bonds with stock acquisition rights (9) Long-term borrowings (\*1)
- Total liabilities
- (10) Derivative transactions (\*2)

(\*1) Long-term borrowings includes current portion. (\*2) Derivatives transactions are stated in net of assets and liabilities

	Millions of yen	
	2017	
Book value	Fair value	Difference
¥40,070	¥40,070	-
53,791	53,791	-
5,564	5,564	-
1,056	1,320	¥264
¥100,481	¥100,745	¥264
26,735	26,735	-
16,463	16,463	-
12,259	12,259	-
2,083	2,083	-
20,054	21,150	¥1,096
15,130	15,121	(9)
¥92,724	¥93,811	¥1.087
¥399	¥399	+1,007
+333	+333	
	Millions of yen	
	2016	
Book value	Fair value	Difference
¥45,963	¥45,963	Difference
49,759	49,759	_
49,759	49,759	
4,075	4,075	-
1,320	1,470	¥150
¥101.117	¥101,267	¥150
23,430	23,430	-
11,979	11,979	-
12,353	12,353	-
2,340	2,340	-
20,068	20,224	¥156
21,347		
	21,305	(42) ¥114
¥91,517	¥91,631	<u>∓114</u>
¥775	¥775	-
Thour	sands of U.S. do	
111003	2017	Jilais
Dealswalue	-	Difference
Book value	Fair value	Difference
\$357,762	\$357,762	-
480,280	480,280	-
40.000	40.000	
49,680	49,680	- ¢0.057
9,429	11,786	\$2,357
<u>\$897,151</u>	\$899,508	\$2,357
238,706	238,706	-
146,993	146,993	-

Book values and fair values of the financial instruments on the consolidated balance sheets at March 31, 2017 and 2016 are as follows. When it is extremely difficult to measure a fair value of financial instrument, such financial instrument is

109,456

18.597

179,050

135.091

\$3,563

\$827,893

109,456

18.597

188,840

135.003

\$3.563

\$837,595

\$9,790

\$9,702

(88)

#### Assets:

- (1) Cash, cash equivalents and time deposits and (2) Trade notes and accounts receivable
  - Since these are settled in short term, their fair values are close to book values. Accordingly, they are stated at book value.
- (3) Investment securities
  - Equity securities are stated at price on exchange market, and bonds are stated at price on reasonably calculated value.

#### Liabilities:

(4) Trade notes and accounts payable, (5) Short-term borrowings, (6) Other accounts payable and

(7) Income taxes payable

Since these are settled in short term, their fair values are close to book values. Accordingly, they are stated at book value.

- (8) Convertible bonds with stock acquisition rights
  - The prices offered by correspondent financial institutions are regarded as fair values.
- (9) Long-term borrowings

The fair values of long-term borrowings are measured as present values obtained by discounting total amount of principal and interest at the estimated interest rate if similar borrowings were newly made. Long-term borrowings with floating interest rates are subject to the exceptional accounting method for interest-rate swaps. Their fair values are calculated by discounting the total amount of principal and interest treated together with relevant interest-rate swaps at the estimated interest rate if similar borrowings were newly made.

#### (10) Derivative transactions

The fair values of forward exchange contracts are stated at prices offered by financial institutions. As derivative transactions subject to the exceptional accounting method for interest-rate swaps are treated together with hedged long-term borrowings, their fair values are included in the fair values of relevant long-term borrowings.

#### Note 2: Financial instruments of which fair value is extremely difficult to be identified

	Millions	of yen	Thousands of U.S. dollars
	2017	2016	2017
	Book value	Book value	Book value
Unlisted equity securities	¥3	¥156	\$24
Investments in affiliate Equities of limited liability partnerships for investment business	20	579	179
and of other similar partnerships	118	158	1,054

As for financial instruments shown above, there is no market price and future cash flow cannot be estimated. Accordingly, since it is considered very difficult to identify their fair value, they are not included in "Assets (3) Investment securities".

Cash, cash equivalents and time dep Trade notes and accounts receivable

Cash, cash equivalents and time dep Trade notes and accounts receivable

Cash, cash equivalents and time dep Trade notes and accounts receivable

#### Note 3: Planned redemption amounts after March 31, 2017 and 2016 for monetary assets and investment securities

	Millions of yen	
	20	17
	Within 1 year	Over 1 year and within 5 year
posits	¥39,997	-
e	53,791	-
	Millions	s of yen
	20	16
	Within 1 year	Over 1 year and within 5 year
posits	¥45,928	-
e	49,759	-
	Thousands o	f U.S. dollars
	20	17
	Within 1 year	Over 1 year and within 5 year
posits	\$357,116	-
e	480,280	-

#### 4. DEBT AND EQUITY SECURITIES

#### (1) Available-for-sale securities

ble-for-sale securities			
		Villions of Yen	
		2017	
	Book value	Acquisition cost	Unrealized Gain/loss
Securities for which book value of consolidated balance sheets exceeds acquisition cost		COSL	Gair/ioss
Stock Other	¥5,415 68	¥2,521 42	¥2,894 26
Subtotal	¥5,483	¥2.563	¥2,920
Securities for which book value of consolidated balance sheets does not exceed acquisition cost	i	,	,
Stock Other	¥81 -	¥103 -	¥(22)
Subtotal	¥81	¥103	¥(22)
Total	¥5,564	¥2,666	¥2,898
		Villions of Yen	
		2016	
	Book value	Acquisition cost	Unrealized Gain/loss
Securities for which book value of consolidated balance sheets exceeds acquisition cost		0031	Ganaloss
Stock	¥3,270	¥1,789	¥1,481
Other	62	42	20
Subtotal	¥3,332	¥1,831	¥1,501
Securities for which book value of consolidated balance sheets does not exceed acquisition cost	2740	V700	
Stock Other	¥743	¥798	¥(55)
Subtotal	¥743	¥798	¥(55)
Total	¥4,075	¥2,629	¥1,446
	Thous	ands of U.S. Do	ollars
		2017	Lines allowed
	Book value	Acquisition cost	Unrealized Gain/loss
Securities for which book value of consolidated balance sheets exceeds acquisition cost			
Stock	\$48,349	\$22,509	\$25,840
Other	610	377	233
Subtotal	\$48,959	\$22,886	\$26,073
Securities for which book value of consolidated balance sheets does not exceed acquisition cost			
Stock Other	\$721	\$923	\$(202)
	\$721	\$923	\$(202)
Subtotal	$\psi I \ge 1$	ψ020	ゆ(こしこ)

#### (2) Impaired securities

For the years ended March 31, 2017 and 2016, the Company recorded an impairment loss on "Available-for-sale securities". The Company recorded impairment loss of 160 million yen (1,429 thousand dollar), 1,463 million yen respectively. The loss in the year ended March 2017 is all for other marketable securities, and that in the year ended March 2016 is divided to 34 million yen and 1,429 million yen on other marketable securities and investments in affiliate respectively.

The Company posts an impairment loss on all securities whose fair value at the end of the fiscal year is less than 50% of the acquisition cost.

For securities whose fair value at the end of the fiscal year decreases by 30% to 50% from their acquisition cost, the Company posts an impairment loss when it is judged necessary, by examining the impact and recoverability of the amount.

#### 5. INDEBTEDNESS

· · · · · · · · · · · · · · · · · · ·			
Long-term debts at March 31, 2017 and 2016 consisted of the following:			Thousand
	Millions of	of Yen	U.S. Dolla
	2017	2016	2017
Long-term borrowings from banks and other financial institutions			
Due within one year, weighted average interest rate 0.84% at			
March 31, 2017, and 0.74% at March 31, 2016	¥11,074	¥6,201	\$98,8
Due after one year, weighted average interest rate 0.53% at			
March 31, 2017, and 0.76% at March 31, 2016	4,056	15,146	36,2
Euro Yen zero coupon convertible bonds due 2021			
Due within one year	-	-	
Due after one year	20,000	20,000	178,
Lease liabilities			
Due within one year	63	291	4
Due after one year	228	270	2,
Total	35,421	41,908	316,
Less current portion	(11,137)	(6,492)	(99,
Long-term debts, less current portion	¥24,284	¥35,416	\$216,
liabilities are stated at the amounts before deducting interest portion which The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen.	n is included in to		es.
The conversion price per share of Euro Yen zero coupon convertible bond	is included in to	tal lease liabilitione years ended l	es. March 31,
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen.	is included in to	tal lease liabilitione years ended l	es. March 31, follows:
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen.	n is included in to Is due 2021 for th Ities as of March :	tal lease liabilitione years ended l	es. March 31, follows: Thousand
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liability	n is included in to Is due 2021 for th Ities as of March :	tal lease liabilitie le years ended l 31, 2017 are as	es. March 31, follows: Thousanc U.S. Doll
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31	n is included in to Is due 2021 for th Ities as of March :	tal lease liabilitie le years ended l 31, 2017 are as Millions of Yen	es. March 31, follows: Thousanc U.S. Doll \$98,
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31 2018	n is included in to Is due 2021 for th Ities as of March :	tal lease liabilitie le years ended l 31, 2017 are as <u>Millions of Yen</u> ¥11,074	es. March 31, follows: Thousanc U.S. Doll \$98, 35,
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31 2018 2019	n is included in to Is due 2021 for th Ities as of March :	tal lease liabilitie le years ended l 31, 2017 are as <u>Millions of Yen</u> ¥11,074 3,936	es. March 31, follows: Thousanc U.S. Doll \$98, 35,
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31 2018 2019 2020	n is included in to Is due 2021 for th Ities as of March :	tal lease liabilitie le years ended l 31, 2017 are as <u>Millions of Yen</u> ¥11,074 3,936 16	es. March 31, follows: Thousand U.S. Doll \$98, 35, 178,
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31 2018 2019 2020 2021	n is included in to Is due 2021 for th Ities as of March :	tal lease liabilitie e years ended M 31, 2017 are as <u>Millions of Yen</u> ¥11,074 3,936 16 20,015	es. March 31, follows: Thousand U.S. Doll \$98, 35, 178,
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31 2018 2019 2020 2021 2022	n is included in to Is due 2021 for th Ities as of March :	tal lease liabilitie e years ended f 31, 2017 are as <u>Willions of Yen</u> ¥11,074 3,936 16 20,015 15	es. March 31, follows: Thousand U.S. Dolli \$98, 35, 178,
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31 2018 2019 2020 2021 2022 2023 and thereafter Total	n is included in to Is due 2021 for th Ities as of March : 	tal lease liabilitie e years ended f 31, 2017 are as <u>Willions of Yen</u> ¥11,074 3,936 16 20,015 15 74	es. March 31, follows: Thousand U.S. Doll \$98, 35, 178,
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31 2018 2019 2020 2021 2022 2023 and thereafter	n is included in to Is due 2021 for th Ities as of March : 	tal lease liabilitie e years ended f 31, 2017 are as <u>Willions of Yen</u> ¥11,074 3,936 16 20,015 15 74	es. March 31, follows: Thousand U.S. Doll \$98, 35, 178, <u>\$313,</u>
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31 2018 2019 2020 2021 2022 2023 and thereafter Total	n is included in to Is due 2021 for th Ities as of March : 	tal lease liabilitie e years ended f 31, 2017 are as <u>Willions of Yen</u> ¥11,074 3,936 16 20,015 15 74	es. March 31, follows: Thousand U.S. Doll \$98, 35, 178, <u>\$313,</u> Thousand
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabilit For the year ending March 31 2018 2019 2020 2021 2022 2023 and thereafter Total The annual maturities of lease liabilities as of March 31, 2017 are as follow	n is included in to Is due 2021 for th Ities as of March : 	tal lease liabilitie le years ended l 31, 2017 are as <u>Millions of Yen</u> ¥11,074 3,936 16 20,015 15 74 ¥35,130	es. March 31, follows: Thousand U.S. Doll: \$98, 35, 178, \$313, Thousand U.S. Doll:
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31 2018 2019 2020 2021 2022 2023 and thereafter Total The annual maturities of lease liabilities as of March 31, 2017 are as follow For the year ending March 31	n is included in to Is due 2021 for th Ities as of March : 	tal lease liabilitie e years ended M 31, 2017 are as <u>Willions of Yen</u> ¥11,074 3,936 16 20,015 15 74 ¥35,130 Willions of Yen	es. March 31, follows: Thousanc U.S. Doll \$98, 35, 178, \$313. Thousanc U.S. Doll \$
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31 2018 2019 2020 2021 2022 2023 and thereafter Total The annual maturities of lease liabilities as of March 31, 2017 are as follow For the year ending March 31 2018	n is included in to Is due 2021 for th Ities as of March : 	tal lease liabilitie e years ended M 31, 2017 are as <u>Willions of Yen</u> ¥11,074 3,936 16 20,015 15 74 ¥35,130 <u>Willions of Yen</u> ¥63	es. March 31, follows: Thousand U.S. Doll \$98, 35, 178, 
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31 2018 2019 2020 2021 2022 2023 and thereafter Total The annual maturities of lease liabilities as of March 31, 2017 are as follow For the year ending March 31 2018 2019	n is included in to Is due 2021 for th Ities as of March : 	tal lease liabilitie e years ended M 31, 2017 are as <u>Willions of Yen</u> ¥11,074 3,936 16 20,015 15 74 ¥35,130 <u>Willions of Yen</u> ¥63 59	es. March 31, follows: Thousand U.S. Doll \$98, 35, 178, \$313, Thousand U.S. Doll \$
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31 2018 2019 2020 2021 2022 2023 and thereafter Total The annual maturities of lease liabilities as of March 31, 2017 are as follow For the year ending March 31 2018 2019 2020	n is included in to Is due 2021 for th Ities as of March : 	tal lease liabilitie le years ended M 31, 2017 are as <u>Willions of Yen</u> ¥11,074 3,936 16 20,015 15 74 ¥35,130 <u>Willions of Yen</u> ¥63 59 27	es. March 31, follows: Thousand U.S. Dolla \$98,1 35, 178,7 ( \$313,0 U.S. Dolla U.S. Dolla
The conversion price per share of Euro Yen zero coupon convertible bond 2017 and 2016 were 2,066 yen (18.44 dollar) and 2,069 yen. The aggregate annual maturities of long-term debts other than lease liabili For the year ending March 31 2018 2019 2020 2021 2022 2023 and thereafter Total The annual maturities of lease liabilities as of March 31, 2017 are as follow For the year ending March 31 2018 2019 2020 2021	n is included in to Is due 2021 for th Ities as of March : 	tal lease liabilitie le years ended M 31, 2017 are as <u>Millions of Yen</u> ¥11,074 3,936 16 20,015 15 74 ¥35,130 <u>Millions of Yen</u> ¥63 59 27 18	es. March 31,

#### 6. RETIREMENT BENEFITS

Outline of retirement benefit plans

The Company and certain domestic subsidiaries have defined contribution pension plans, prepaid retirement plans. Certain overseas subsidiaries mainly adopted lump-sum retirement benefit plans.

Overseas subsidiaries have applied International Financial Reporting Standards ("IFRS"). "Employee Benefits" ("IAS" No. 19 amended on June 16, 2011) became effective from the fiscal year beginning on and after January 1, 2013. Effective from the fiscal year ended March 31, 2014, certain overseas subsidiaries have adopted the standard.

#### a. Defined benefit pension plans

(1) The reconciliation of defined benefit obligation for the years ended March 31, 2017 and 2016 were as follows: Thousands of

	Millions of Yen		U.S. Dollars
	2017	2016	2017
Defined benefit obligation at beginning of year	¥4,735	¥4,472	\$42,280
Service costs	686	803	6,122
Interest cost	118	112	1,053
Actuarial (gain) loss	(146)	(73)	(1,307)
Benefits paid	(719)	(211)	(6,421)
Other	(4)	(368)	(33)
Defined benefit obligation at end of year	¥4,670	¥4,735	\$41,694

#### (2) The reconciliation of plan assets for the years ended March 31, 2017 and 2016 were as follows:

	Millions of Yen		U.S. Dollars
	2017	2016	2017
Fair value of plan assets at beginning of year	¥1,620	¥1,622	\$14,462
Interest income	53	53	477
Actuarial gain (loss)	(49)	(51)	(442)
Employer's contribution	403	155	3,601
Benefits paid	(454)	(47)	(4,060)
Other	(52)	(112)	(461)
Fair value of plan assets at end of year	¥1,521	¥1,620	\$13,577

Thousando of

(3) Reconciliation between the balances of defined benefits obligation and plan assets and net defined benefit liability and net defined benefit asset recorded in the consolidated balance sheets as of March 31, 2017 and 2016 were as follows: Thousands of

	Millions of Yen		U.S. Dollars
	2017	2016	2017
Funded defined benefits obligation	¥1,924	¥2,187	\$17,178
Plan assets	(1,521)	(1,620)	(13,577)
	403	567	3,601
Unfunded defined benefits obligation	2,746	2,549	24,516
Total net liability (asset) for retirement benefit	¥3,149	¥3,116	\$28,117
Net defined benefit liability	¥3,208	¥3,116	\$28,644
Net defined benefit asset	(59)	-	(527)
Total net liability (asset) for retirement benefit	¥3,149	¥3,116	\$28,117

#### (4) Components of retirement benefit costs for the years en

Service costs Net interest Amortization of actuarial differences Total retirement benefit cost for the fiscal year

i) The Company applied "Practical Solution on Unification of Accounting Policies Applied to Foreign Subsidiaries for Consolidated Financial Statements" (ASBJ PITF No.18). Accordingly, the total amounts of actuarial differences have been amortized by a certain period of fixed years within average expected future service years.

ii) Other than the above retirement benefit costs in defined benefit pension plan, overseas subsidiaries record voluntary retirements cost amounts to 2,210 million ven as "Business structure improvement expenses" in Other expenses in this fiscal year.

ended March 31, 2017 and 2016 were as follows:

#### Actuarial differences

(6) Accumulated amounts of adjustments in defined benefit obligation of overseas subsidiaries, excluding the income tax effect, as of March 31, 2017 and 2016 were as follows:

#### Unrecognized actuarial differences

- (7) Plan assets
  - (i) The proportions of plan assets as of March 31, 2017 and 201
    - Debt securities Equity securities Cash and deposit with bank Other Total

76% and 77% of plan assets are retirement benefit trusts established for lump-sum retirement plans as of March 31, 2017 and 2016, respectively.

- (ii) Rates of expected return The rates of expected return are not set since the overseas subsidiaries applied the IAS No. 19.
- (8) Actuarial assumptions

Discount rates (overseas subsidiaries) Expected rate of salary increase

- b. Defined contribution pension plans The required contribution amounts to the defined contribution pension plans by the Companies were 1,241 million yen
  - (11,076 thousand dollar) and 1,224 million yen as of March 31, 2017 and 2016, respectively.

nded March 31,	2017	and 2016	were	as follows:
----------------	------	----------	------	-------------

Millions	of Yen	Thousands of U.S. Dollars
2017	2016	2017
¥686	¥804	\$6,122
64	59	576
59	62	523
¥809	¥925	\$7,221

(5) Adjustments in defined benefit obligation of overseas subsidiaries, excluding the income tax effect accounting, for the years

		Thousands of
Millions	Millions of Yen	
2017	2016	2017
¥155	¥(19)	\$1,388

Millions	of Yen	Thousands of U.S. Dollars
2017	2016	2017
¥(379)	¥(535)	\$(3,385)
16 were as follows:	2016	
64 19 11	59 % 19 18	

11	10
6	4
100	100 %

2017	2016	
	 2.00 - 5.34 3.48 - 5.00	

#### 7. NET ASSETS

Under the Companies Act of Japan ("the Act"), in cases where dividend distribution of surplus is made, the lesser of an amount equal to 10% of the dividend or the excess, if any, of 25% of common stock over the total of additional paid-in capital and legal earnings reserve, must be set aside as additional paid-in capital or legal earnings reserve. Additional paidin capital and legal earnings reserve are included in capital surplus and retained earnings, respectively, in the accompanying consolidated balance sheets. Under the Act, all additional paid-in capital and legal earnings reserve may be transferred to other capital surplus and retained earnings, respectively, which are potentially available for dividends. The maximum amount that the Company can distribute as dividends is calculated based on the non-consolidated financial statements of the Company in accordance with the Act. Appropriations are not accrued in the consolidated financial statements for the corresponding period, but are recorded in the subsequent accounting period after shareholders' approval has been obtained.

#### 8. INCOME TAXES

Income taxes in Japan applicable to the Company and domestic subsidiaries for the years ended March 31, 2017 and 2016 were comprised of (1) a corporation tax at the rate of 24.4% and 25.0% on taxable income, respectively, (2) enterprise tax of approximately 4% and 6% on taxable income, respectively, and (3) prefectural and residence taxes of approximately 16% of the amount of the corporation tax. Enterprise tax is deductible for income tax purposes when Income taxes of foreign subsidiaries are generally based on tax rates applicable in the country of incorporation.

Significant components of the deferred tax assets and liabilities as of March 31, 2017 and 2016 were as follows:

Deferred tax assets Inventories Accrued expenses Retirement benefits Net defined benefit liability Enterprise tax payables Accrued bonuses Investment securities Excess depreciation Lump-sum depreciable assets Allowance for doubtful receivables Unused tax loss carry-forward Other Subtotal Valuation allowance Offset Total deferred tax assets Deferred tax liabilities Undistributed earnings of foreign subsidiaries Inventories Reserves Unrealized holding gains on investment securities Other Offset

Total deferred tax liabilities

Main items of the reconciliations of the normal income tax rate to the effective income tax rates are as follows:

Statutory tax rate (Reconciliations) Differences in statutory tax rates of foreign subsid Undistributed earnings of foreign subsidiaries Valuation allowance Foreign tax Unrealized profit included in inventories Decrease of deferred tax assets and liabilities du to income tax rates change Non-deductible expenses Others - net Effective income tax rate

Previously, "Non-deductible expenses" was included in "Others - net" for the year ended March 31, 2016. However, the Company has changed its method of presentation to state separately "Non-deductible expenses" as it is material from the year ended March 31, 2017. Also, prior year information was rearranged in order to reflect the changes in presentation.

		Thousands of
Millions of	of Yen	U.S. Dollars
2017	2016	2017
¥956	¥744	\$8,535
266	361	2,378
1,774	1,846	15,836
774	777	6,914
328	268	2,928
969	1,022	8,648
808	761	7,216
970	864	8,665
312	231	2,784
94	102	835
14,652	12,655	130,825
1,493	1,223	13,329
23,396	20,854	208,893
(21,035)	(18,965)	(187,813)
(294)	(154)	(2,621)
¥2,067	¥1,735	\$18,459
¥2,315	¥3,516	\$20,666
650	608	5,802
730	723	6,517
702	397	6,266
1,508	1,494	13,469
(294)	(154)	(2,621)
¥5,611	¥6,584	\$50,099

	2017	2016
	30.7 %	32.8 %
idiaries	(11.2) (16.0) 10.3	(6.0) 0.3 (6.7)
	1.0 (0.8)	0.3 (2.3)
ue	(2.0)	(0.5)
	11.6 4.1	0.1 1.8
	27.7 %	19.8 %

Revisions to the amounts of deferred tax assets and liabilities due to changes in the tax rates of the Japanese Corporation Tax.

Since amendments to the Japanese tax regulations were enacted into law on November 18, 2016, a scheduled increase in the consumption tax rate to 10% was postponed from April 1, 2017 to October 1, 2019. Accordingly, scheduled abolishment of special local corporation tax, reimposition of corporate enterprise tax, amendment of local corporation tax rate and amendment of corporation tax rate for inhabitant tax were also postponed from the fiscal year beginning on or after April 1, 2017 to the fiscal year beginning on or after October 1, 2019.

The effective statutory tax rate utilized for the measurement of deferred tax assets and liabilities for the current fiscal year was not changed. However, as a result of the reclassification of national tax rate and local tax rate, deferred tax assets (net of deferred tax liabilities) increased by 152 million yen (1,363 thousand dollar) and income taxes -deferred increased by the same amount.

#### 9. LEASE TRANSACTIONS

**Operating Lease** The amounts of noncancellable future lease payments as of March 31, 2017 and 2016 are as follows:

Future lease payments Within one year Over one year Total

#### 10. IMPAIRMENT LOSS ON PROPERTY, PLANT AND EQUIPMENT

The Companies categorize their business assets by segmentation for management accounting, and idle assets by individual asset. Property, plant and equipment such as head office and laboratories are categorized as common assets.

For the year ended March 31, 2017, the Companies recognized impairment loss on property, plant and equipment as follows:

Classification	Description	Location	Millions of Yen	Thousands of U.S. Dollars
Machinery and Equipment	Idle assets	Nakanojo, Gunma Yawatabara, Gunma Others	¥613	\$5,477
Buildings and structures	Idle assets	Haruna, Gunma Others	101	897
Others	Idle assets	Takasaki, Gunma Haruna, Gunma Others	35	315
	Total		¥749	\$6,689

For the idle assets with no specific utilization plan and low profitability, their book values have been written down to the memorandum value and such reduction was recorded as impairment loss on property, plant and equipment.

For the year ended March 31, 2016, the Companies recognized impairment loss on property, plant and equipment as follows:

Classification	Description	Location
Machinery	Business	Date, Fukushim
and Equipment, Buildings, Construction in Progress, Intangible Assets, Others	assets (Optical media business)	Others
Machinery and Equipment	Idle assets	Tamamura, Gun Nakanojo, Gunn Others
Others	Idle assets	Tamamura, Gui Others
	Total	

For the business assets with no specific utilization plan and low profitability, due to withdrawal from "Optical media" business, their book values have been written down to the memorandum value and such reduction (178 million ven) was included in business structure improvement expenses in other income (expenses). This consists of 85 million yen for machinery and equipment, 29 million yen for buildings, 25 million yen for intangible assets, 22 million yen for construction in progress and 17 million yen for others.

For the idle assets with no specific utilization plan and low profitability, their book values have been written down to the memorandum value and such reduction was recorded as impairment loss on property, plant and equipment.

Millions	of Yen	Thousands of U.S. Dollars
2017	2016	2017
¥164 381	¥79 205	\$1,461 3,403
¥545	¥284	\$4,864

	Millions of
on	Yen
shima,	¥178

unma nma	194
unma	28
	¥400

### 11. DERIVATIVE TRANSACTIONS

The fair values of derivatives held by the Companies as of March 31, 2017 and 2016 are summarized as follows. Fair value is computed based on quotes and others by financial institutions and others.

(1) Derivative transactions for which hedge accounting is not applied

		Millions of	of Yen	
		20	17	
	Contract amount	Due after one year	Fair value	Unrealized gain (loss)
Foreign exchange forward contracts: Selling: U.S. Dollar	¥28,483	-	¥383	¥383
Foreign exchange forward contracts: Buying: U.S. Dollar	¥2,256	-	¥(14)	¥(14)
		Millions of	of Yen	
		20	16	
	Contract amount	Due after one year	Fair value	Unrealized gain (loss)
Foreign exchange forward contracts: Selling: U.S. Dollar	¥17,095	-	¥791	¥791
Foreign exchange forward contracts: Buying: U.S. Dollar	¥1,150	-	¥(25)	¥(25)
		Thousands of	U.S. Dollars	
		20	17	
	Contract amount	Due after one year	Fair value	Unrealized gain (loss)
Foreign exchange forward contracts: Selling: U.S. Dollar	\$254,310	-	\$3,418	\$3,418
Foreign exchange forward contracts: Buying: U.S. Dollar	\$20,146	-	\$(129)	\$(129)

(2) Derivative transactions for which hedge accounting is applied

Foreign exchange forward contracts:
Selling: U.S. Dollar
Foreign exchange forward contracts:
Buying: U.S. Dollar
Interest-rate swaps:
Fixed interest payment and floating
interest receipt

Foreign exchange forward contracts:
Selling: U.S. Dollar
Foreign exchange forward contracts:
Buying: U.S. Dollar
Interest-rate swaps:
Fixed interest payment and floating
interest receipt

Foreign exchange forward contracts:
Selling: U.S. Dollar
Foreign exchange forward contracts:
Buying: U.S. Dollar
Interest-rate swaps:
Fixed interest payment and floating
interest receipt

For the exceptional accounting method for interest-rate swaps, because they are account for in combination with the hedged long-term borrowings, their fair value is included in the fair value of the long-term borrowings.

	Millions of Yen			
	2017			
	Contract	Due after	Fair value	
	amount	one year	Fair value	
Future				
transaction	¥7,300	-	¥42	
Future				
transaction	¥1,691	-	¥(12)	
Long-term				
borrowings	¥10,000	-	-	
	,			
	1	Millions of Yen		
		2016		
	Contract	Due after	Fair value	
	amount	one year	Fair value	
Future				
transaction	¥6,187	-	¥13	
Future				
transaction	¥1,128	-	¥(4)	
1				
Long-term				
borrowings	¥10,500	¥10,000	-	
	,	,		
	Thou	sands of U.S. Doll	ars	
		2017		
	Contract	Due after	Fair value	
	amount	one year	Fail value	
Future				
transaction	\$65,182	-	\$378	
Future				
transaction	\$15,100	-	\$(105)	
Long torm				
Long-term				
borrowings	\$89,286	-	-	
	+,=-0			

#### 12. STOCK OPTION PLAN

The Company grants stock options to its directors and operating officers in line with resolutions of the board of directors meetings.

Expenses for stock options amounting to 53 million yen (477 thousand dollar) and 99 million yen were recognized in selling, general and administrative expenses in 2017 and 2016, respectively.

For the years ended March 31, 2017 and 2016, a standard option pricing model (i.e., Black-Scholes) was used to measure the fair value of stock options granted to its directors and operating officers.

The fair value for these options was estimated at the date of grant using the Black-Scholes option pricing model with risk-free interest rates of (0.39%) in 2017, 0.12% and 0.05% in 2016, dividends per share of 15 yen (0.13 dollar) in 2017, 10 yen in 2016, and volatility factor of the expected market value of the Company's common stock of 45.8% in 2017, 45.1% and 44.5% in 2016, determined by weekly historical price for the past 6.0 years in 2017, 6.1 years in 2016, which is the same period as expected life of the option.

A summary of the Company's stock options outstanding at March 31, 2017 is as follows:

Date of resolution	June 28, 2007	June 28, 2007	June 27, 2008	May 25, 2009
Date of grant	July 13, 2007	July 13, 2007	July 14, 2008	June 9, 2009
Number of options	32,000 shares of Common stock	46,000 shares of Common stock	46,000 shares of Common stock	37,000 shares of Common stock
Exercise price	¥1	¥1	¥1	¥1
Exercise period	From July 14, 2007 to July 13, 2027	From July 14, 2007 to July 13, 2027	From July 15, 2008 to July 14, 2028	From June 10, 2009 to June 9, 2029
Fair value (per share)	¥2,761	¥2,761	¥966	¥947
Options outstanding at March 31, 2016 (share)	3,000	6,000	6,000	6,000
Granted (share)	-	-	-	-
Exercised (share)	-	-	-	-
Forfeited/Expired (share)	-	-	-	-
Options outstanding at March 31, 2017 (share)	3,000	6,000	6,000	6,000
Date of resolution	June 29, 2010	June 29, 2011	April 25, 2012	May 24, 2013
Date of grant	July 21, 2010	July 14, 2011	May 11, 2012	June 10, 2013
Number of options	39,000 shares of Common stock	44,000 shares of Common stock	38,000 shares of Common stock	10,000 shares of Common stock
Exercise price	¥1	¥1	¥1	¥1
Exercise period	From July 22, 2010 to July 21, 2030	From July 14, 2011 to July 13, 2031	From May 11, 2012 to May 10, 2032	From June 10, 2013 to June 9, 2033
Fair value (per share)	¥1,013	¥948	¥739	¥1,625
Options outstanding at March 31, 2016 (share)	9,000	13,000	13,000	3,000
Granted (share)	-	-	-	-
Exercised (share)	-	-	-	-
Forfeited/Expired (share)	-	-	-	-
Options outstanding at March 31, 2017 (share)	9,000	13,000	13,000	3,000
Date of resolution	June 27, 2013	June 27, 2014	June 26, 2015	November 5, 2015
Date of grant	July 12, 2013	July 14, 2014	July 13, 2015	November 20, 2015
Number of options	31,000 shares of Common stock	55,000 shares of Common stock	62,000 shares of Common stock	2,000 shares of Common stock
Exercise price	¥1	¥1	¥1	¥1
Exercise period	From July 12, 2013 to July 11, 2033	From July 14, 2014 to July 13, 2034	From July 13, 2015 to July 12, 2035	From November 20, 2015 to November 19, 2035
Fair value (per share)	¥1,476	¥1,032	¥1,543	¥1,914
Options outstanding at March 31, 2016 (share)	21,000	42,000	57,000	2,000
Granted (share)	-	-	-	-
Exercised (share)	4,000	5,000	5,000	-
Forfeited/Expired (share)	-	-	3,000	-
Options outstanding at March 31, 2017 (share)	17,000	37,000	49,000	2,000

Date of resolution Date of grant

Number of options

Exercise price

Exercise period

2016 (share)

From July 15, 2016 to July 14, 2036 Fair value (per share) ¥834 Options outstanding at March 31, -Granted (share) 64,000 Exercised (share) -Forfeited/Expired (share)

Options outstanding at March 31, 2017 (share)

64.000

June 29, 2016

July 15, 2016

64,000 shares of

Common stock

¥1

#### 13. COMPREHENSIVE INCOME

Reclassification and income tax effects attributable to other comprehensive income for the years ended March 31, 2017 and 2016 were as follows:

	Millions o	f Yen	Thousands of U.S. dollars
	2017	2016	2017
Net unrealized holding gains (losses) on securities: Gains (losses) arising during the year	¥1,470	¥(1,540)	\$13,127
Reclassifications and adjustments	6	139	57
Before income tax effects	1,476	(1,401)	13,184
Income tax effects	(305)	343	(2,725)
Net unrealized holding gains (losses) on securities	1,171	(1,058)	10,459
Deferred gains (losses) on hedges:			
Losses arising during the year	(274)	(68)	(2,452)
Reclassifications and adjustments	296	66	2,647
Before income tax effects	22	(2)	195
Income tax effects	(7)	1	(60)
Deferred gains (losses) on hedges	15	(1)	135
Foreign currency translation adjustments:			
Adjustments arising during the year	(3,690)	(9,931)	(32,950)
Reclassifications and adjustments	40	-	354
Before income tax effects	(3,650)	(9,931)	(32,596)
Income tax effects	17	(17)	153
Foreign currency translation adjustments	(3,633)	(9,948)	(32,443)
Adjustment in defined benefit obligation of overseas subsidiaries:			
Gains (losses) arising during the year	97	(81)	865
Reclassifications and adjustments	58	62	523
Before income tax effects	155	(19)	1,388
Income tax effects	(46)	(62)	(413)
Adjustment in defined benefit obligation of overseas			
subsidiaries	109	(81)	975
Total other comprehensive income	¥(2,338)	¥(11,088)	\$(20,874)

#### 14. SEGMENT INFORMATION

- (1) General information about reportable segments allocated among the Companies. The Companies have omitted the disclosure of segment information since the Companies have single segment.
- Information have been omitted since the Companies have the single segment.
- segments As the Companies have a single business segment, there're no items to report.
- (4) Information by products classification

modules & devices", and "Others".

Net sales by product classifications is as follows

		Millions of Yen 2017		
Capacitors	Ferrite and applied products	Integrated modules & devices	Others	Total
¥117,666	¥41,273	¥65,581	¥6,197	¥230,71
		Millions of Yen		
		2016		
	Ferrite and	Integrated		
Capacitors	applied	modules	Others	Total
	products	& devices		
¥123,675	¥46,464	¥57,696	¥12,551	¥240,38
	Tho	ousands of U.S. doll	ars	
		2017		
	Ferrite and	Integrated		
Capacitors	applied	modules	Others	Total
	products	& devices		
\$1,050,592	\$368,511	\$585,544	\$55,323	\$2,059,97

The Companies' reportable segments are those for which separately financial information is available and regular evaluation by the Company's Board of Directors is performed in order to decide how resources are

(2) Basis of measurement about reportable segment income or loss, segment assets and other material items

(3) Information related to the amounts of net sales, profit and loss, assets, liabilities and other items by reportable

The Companies set four product classifications ; "Capacitors", "Ferrite and applied products", "Integrated

#### (5) Transactions by geographical areas

(i) Sales

		Millions of Yen		
		2017		
Japan	China	Hong Kong	Other areas	Total
¥22,115	¥100,326	¥37,460	¥70,816	¥230,717
		Millions of Yen		
		2016		
Japan	China	Hong Kong	Other areas	Total
¥24,910	¥107,995	¥29,713	¥77,768	¥240,386
	Tho	usands of U.S. do	ollars	
		2017		
Japan	China	Hong Kong	Other areas	Total
\$197,451	\$895,772	\$334,464	\$632,283	\$2,059,970

#### (ii) Property, plant and equipment

		Millions of Yen		
		2017		
Japan	China	Malaysia	Other areas	Total
¥76,716	¥10,907	¥11,596	¥11,877	¥111,096
		Millions of Yen		
		2016		
Japan	China	Malaysia	Other areas	Total
Japan ¥66,784	China ¥14,212	Malaysia ¥14,135	Other areas ¥11,916	Total ¥107,047
		,		
	¥14,212	,	¥11,916	
	¥14,212	¥14,135	¥11,916	
	¥14,212	¥14,135 usands of U.S. d	¥11,916	

#### (6) Information about impairment loss on property, plant and equipment by reportable segments

The disclosure of Information about impairment loss on property, plant and equipment by reportable segments has been omitted since the Companies have single segment.

#### (7) Information about amortization and the balance of (negative) goodwill by reportable segments

The disclosure of Information about amortization and the balance of (negative) goodwill by reportable segments has been omitted since the Companies have single segment.

#### (8) Information about major customers

Information for major customers has been omitted since there are no major customers accounts with more than 10% of net sales on consolidated statements of income for the years ended March 31, 2017 and 2016.

#### 15. EARNINGS PER SHARE

Reconciliation of the basic and diluted earnings per share ("EPS") for the years ended March 31, 2017 and 2016 were as follows:

#### For the year ended March 31, 2017

Basic EPS Net income attributable to common sharehold the parent Effect of dilutive securities Convertible bonds with stock acquisition rights Stock acquisition rights Diluted EPS Earnings for computation

#### For the year ended March 31, 2016

Basic EPS Net income attributable to common sharehold the parent Effect of dilutive securities Convertible bonds with stock acquisition rights Stock acquisition rights Diluted EPS Earnings for computation

#### 16. SUBSEQUENT EVENT

The following appropriations of retained earnings at March 31, 2017 were approved at the Company's shareholders' meeting held on June 29, 2017:

Cash dividend, 10.00 yen (0.09 dollar) per share

	Millions of Yen Net Earnings	Thousands of Shares Weighted Average Shares	Yen El	U.S. Dollars
ders of				
	¥5,429	117,826	¥46.08	\$0.41
ts	(10)	9,680 212	-	-
	¥5,419	127,718	¥42.43	\$0.38
	Millions of Yen Net Earnings	Thousands of Shares Weighted Average Shares	Yen EPS	
ders of	¥14,751	117,754	¥125.27	
ts .	(10)	9,667 165	-	
	¥14,741	127,586	¥115.54	

Thousands of Millions of Yen U.S. Dollars \$10,521 ¥1,178

#### CONSOLIDATED SUBSIDIARIES and EQUITY-METHOD AFFILIATES

#### CONSOLIDATED SUBSIDIARIES

#### Domestic (Japan)

TAIYO YUDEN CHEMICAL TECHNOLOGY CO., LTD.	100.0%
TAIYO YUDEN TECHNO SOLUTIONS CO., LTD.	100.0%
Sun Vertex Co., Ltd.	100.0%
FUKUSHIMA TAIYO YUDEN CO., LTD.	100.0%
Kankyo Assist Co., Ltd.	100.0%
Niigata Taiyo Yuden Co., Ltd.	100.0%
TAIYO YUDEN ENERGY DEVICE CO., LTD.	100.0%
WAKAYAMA TAIYO YUDEN CO., LTD.	100.0%
Victor Advanced Media Co., Ltd.	100.0%
TAIYO YUDEN Mobile Technology Co., Ltd.	100.0%

#### Overseas

TAIWAN TAIYO YUDEN CO., LTD. 100.0	%
KOREA TAIYO YUDEN CO., LTD. 100.0	%
TAIYO YUDEN (SINGAPORE) PTE. LTD. 100.0	%
HONG KONG TAIYO YUDEN CO., LTD. 100.0	%
TAIYO YUDEN (U.S.A.) INC. 100.0	%
TAIYO YUDEN EUROPE GmbH 100.0	%
TAIYO YUDEN (PHILIPPINES), INC. 100.0	%
TAIYO YUDEN (SARAWAK) SDN. BHD. 100.0	%
TAIYO YUDEN (MALAYSIA) SDN. BHD. 100.0	%
TAIYO YUDEN (GUANGDONG) CO., LTD. 100.0	%
KOREA KYONG NAM TAIYO YUDEN CO., LTD. 100.0	%
TAIYO YUDEN (SHANGHAI) TRADING CO., LTD. 100.0	%
TAIYO YUDEN (TIANJIN) ELECTRONICS CO., LTD. 100.0	%
TAIYO YUDEN (SHENZHEN) ELECTRONICS TRADING CO., LTD. 100.0	%
TAIYO YUDEN (CHINA) CO., LTD. 100.0	%
TAIYO YUDEN TRADING (THAILAND) CO., LTD 100.0	%

#### EQUITY-METHOD AFFILIATES

Domestic (Japan)	Ownership
	00.50/

ELNA CO., LTD.

26.5%

Ownership

Ownership