

Material Composition Product Declaration

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1. Product List

This document pertains to the following documents.

Product Name: Genie Nano

Part Number(s):

G3-GC10-C0640	G3-GC10-C0640IF	G3-GC10-C0641	G3-GC10-C0641IF	G3-GC10-C0800IF
G3-GC10-C0801	G3-GC10-C0801IF	G3-GC10-C1280	G3-GC10-C1281	G3-GC10-C1281IF
G3-GC10-C1930	G3-GC10-C1930IF	G3-GC10-C1931IF	G3-GC10-C1940	G3-GC10-C1940IF
G3-GC10-C1941	G3-GC10-C2050	G3-GC10-C2050	G3-GC10-C2050IF	G3-GC10-C2051
G3-GC10-C2051IF	G3-GC10-C2450	G3-GC10-C2450	G3-GC10-C2450IF	G3-GC10-C2451
G3-GC10-C2451IF	G3-GC10-C2590	G3-GC10-C2590	G3-GC10-C2591	G3-GC10-C2591
G3-GC10-C2591IF	G3-GC10-C4040	G3-GC10-C4040IF	G3-GC10-C4041	G3-GC10-C4041IF
G3-GC10-C4060	G3-GC10-C4060IF	G3-GC10-C4061	G3-GC10-C4061IF	G3-GC10-C4900
G3-GC10-C4900IF	G3-GC10-C4901	G3-GC11-C1920	G3-GC11-C1921	G3-GC11-C1921IF
G3-GC11-C2020	G3-GC11-C2020	G3-GC11-C2021	G3-GC11-C2021	G3-GC11-C2021IF
G3-GC11-C2420	G3-GC11-C2420IF	G3-GC11-C2421	G3-GC11-C2421	G3-GC11-C2421IF
G3-GC11-C4020	G3-GC11-C4020IF	G3-GC11-C4021	G3-GC11-C4021IF	G3-GC11-C4030
G3-GC11-C4030IF	G3-GC11-C4031	G3-GC11-C4031IF	G3-GC30-C4095	G3-GC30-C5105
G3-GM10-M0641	G3-GM10-M0800	G3-GM10-M0801	G3-GM10-M1280	G3-GM10-M1930
G3-GM10-M1931	G3-GM10-M1940	G3-GM10-M1941	G3-GM10-M2051	G3-GM10-M2450
G3-GM10-M2451	G3-GM10-M2590	G3-GM10-M4040	G3-GM10-M4041	G3-GM10-M4060
G3-GM10-M4061	G3-GM11-M1920	G3-GM11-M192050	G3-GM11-M1921	G3-GM11-M2020
G3-GM11-M2021	G3-GM11-M2421	G3-GM11-M4020	G3-GM11-M4021	G3-GM11-M4030
G3-GM11-M4031	G3-GM12-M0640	G3-GM12-M0641	G3-GM12-M0800	G3-GM12-M1280
G3-GM12-M1281	G3-GM30-C5105	G3-GM30-M4095	G3-GM30-M4095	G3-GM30-M4095
G3-GM30-M5105	G3-GM30-M5105			

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2. Declaration: European Directive 2011/65/EC Restriction of Hazardous Substances

This product conforms to the following directive articles:

Article 4(1): Product does not contain restricted substances above maximum concentration values tolerated by weight in homogeneous materials, as follows:

- ❖ Lead (0,1 %)
- ❖ Mercury (0,1 %)
- ❖ Cadmium (0,01 %)
- ❖ Hexavalent chromium (0,1 %)
- ❖ Polybrominated biphenyls (PBB) (0,1 %)
- ❖ Polybrominated diphenyl ethers (PBDE) (0,1 %)

Article 4(6): Applications exempted from restriction:

- 6(c) Copper alloy containing up to 4 % lead by weight
- 7(a) Lead in high melting temperature type solders (i.e. lead - based alloys containing 85 % by weight or more lead)
- 7(c)-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

Article 15(1): The CE mark is affixed to the camera data plate.

Declaration:

The supplier certifies that the information provided in this form is true and correct to the best of its knowledge and belief and has used appropriate methods to ensure its accuracy. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union laws that implement the RoHS Directive. Supplier proclaims that it may have relied on information provided by others in completing this form and that Supplier may not have independently verified such information. If the Company and Supplier enter into an written agreement with respect to the identified item, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form.

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3. Declaration: European Regulation (EC) No 1907/2006 Registration, Evaluation Authorization and Restriction of Chemicals

Teledyne DALSA Digital Imaging (TDDI) produces products that would be considered an Article according to regulation Article 3(3): "an object which during production is given a special shape, surface or design which determines its function to a greater degree than its chemical composition".

As a manufacturer established outside of the European Economic Area (EEA) TDDI does not have direct obligations under the REACH Regulation however we understand that the businesses that import our products into the EEA may have such obligation.

The following requirements may be of relevance to importers;

1. **Article 7(1): Registration** – if substances in articles are intended to be released during normal and reasonable foreseeable conditions of use and are present exceeding one tonne per year they are required to be registered.

TDDI products do not contain any substances intended to be released during normal and reasonably foreseeable use conditions.

2. **Article 7(2): Notification** – when substances of very high concern (SVHC) included on the candidate list for authorization are imported in amounts in excess of 1 tonne per year and present in articles in concentrations > 0.1% wt/wt of the article notification of the European Chemical Agency (ECHA) is required.

TDDI products do not contain SVHCs as identified in the latest ECHA Authorization List (link provided below) in excess of 0.1% wt/wt of the product.

<http://echa.europa.eu/addressing-chemicals-of-concern/authorisation/recommendation-for-inclusion-in-the-authorisation-list/authorisation-list>

3. **Article 33: Communicate** – when SVHCs included on the candidate list are included in articles in concentrations about 0.1% wt/wt of the article recipients of the articles must be provided information for the articles safe use.

TDDI products do not contain SVHCs as identified in the latest ECHA Candidate List of Substances (link provided below) in excess of 0.1% wt/wt of the product.

http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp

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4. **Article 56: General Provisions** – substances incorporated into articles included in Annex XIV cannot be placed on the market for use after the sunset date unless it has been authorized or exempted.

TDDI monitors the composition of materials used within its products and will comply with the provisions based on the contents of Annex XIV by the applicable sunset dates.

<http://echa.europa.eu/addressing-chemicals-of-concern/authorisation/recommendation-for-inclusion-in-the-authorisation-list/authorisation-list>

5. **Article 67: General Provisions** – substances in an article for which Annex XVII contains a restriction shall not be placed on the market for use unless it complies with the condition of restriction.

TDDI products do not contain restricted substances as identified (link provide below) in accordance with applicable conditions.

http://echa.europa.eu/documents/10162/13632/articles_en.pdf

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4. Declaration: Electronic Information Product Disclosure Record

With reference to the People's Republic of China Electronic Industry Standard SJ/T11364-2014, Marking for Control of Pollution Caused by Electronic Information Products, the following product disclosure is made:

Environmental Protection Use Period (EPUP)

This product, as referenced by the part number above, will carry a 20 year EPUP. The EPUP refers to the number of years from the date of manufacture that toxic or hazardous substances or elements contained in EIPs will not leak or mutate, under normal operating conditions, stated herein, so that the use of such EIP will not result in any severe environmental pollution, any bodily harm or damage of any assets.

The applicable use conditions under which this period is stated are;

Electrical Supply: **+10 to +36 volts DC**

Operating Temperature: **-20 to +65 °C (product surface)**

Humidity: **non-condensing**



Note: Except as expressly stated herein and as required under mandatory provisions of the SJ/T11364-2014, Teledyne DALSA makes no representation or warranty of any kind, expressed or implied, with respect to EPUP and expressly disclaims any representations or warranties, expressed or implied, with respect to the EPUP.

Names and Contents of Toxic or Hazardous Substances or Elements in Product						
	Hazardous Substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr (VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
PCB	X	0	0	0	0	0
Cable/Connectors	0	0	0	0	0	0
Metal Enclosure	0	0	0	0	0	0
Screws	0	0	0	0	0	0
Rubber	0	0	0	0	0	0
Image Sensor	0	0	0	0	0	0

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电子信息产品声明记录

根据中华人民共和国电子行业标准 SJ/T11364-2014, 《电子信息产品污染控制标识及要求》, 声明如下:

环保使用期限 (E P U P)

上述引用的产品型号将保证 20 年的环保使用期限。环保使用期限 (E P U P) 是指从生产日期开始, 在正常操作条件使用电子信息产品 (E I P), 电子信息产品中含的有毒有害物质或元素不致发生外泄或突变, 从而对环境造成污染或对人身、财产造成严重损害的期限。

在环保使用期内, 产品适用的条件如下所述:

电源: +10 至+36 伏直流电

工作温度: -20 至 65 °C (产品表面)

湿度: 非凝结

注解: 除非根据 S J / T 1 1 3 6 4 - 2 0 1 4 强制性条款要求, 在本文里被明确表述外, 对于环保使用期限的任何明示或暗示的陈述或保证, Teledyne DALSA 概不负责, 也不会就此承担任何责任。

产品中有害、有毒物质或元素的名称及组成						
	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板	X	O	O	O	O	O
电缆/连接器	O	O	O	O	O	O
金属外壳	O	O	O	O	O	O
螺丝	O	O	O	O	O	O
橡胶	O	O	O	O	O	O
图像传感器	O	O	O	O	O	O

此表是依照 SJ/T11364 的条款制备。

O: 表示该有害物质的含量在零件的均质材料中未超过 GB/T26572 限量标准所规定的限值。

X: 表示该有害物质的含量在零件的至少一种均质材料中超过 GB/T26572 限量标准所规定的限值。

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5. Product Packaging

The packaging for this product conforms to the following requirements:

European Directive 94/62/EC Packaging and Packaging Waste:

Article 8 (2, 3) Marking and Identification

Article 11 (1) Concentration levels of heavy metals present in packaging

China's "Administration on the Control of Pollution Caused by Electronic Information Products":

GB 18455-2001 Packing Recycling Mark

6. Accessories

Compatible accessories, within the following categories, denoted by a '-R' suffix in the product part number comply to the requirements denoted within;

- ❖ Cables
- ❖ Lens adapters
- ❖ Mechanical adapters

7. Datasheet Responsibility

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8. Teledyne DALSA Corporate Environmental Information

<http://www.teledynedalsa.com/imaging/products/environment/>

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9. Revision History

DATE	Rev	Action	Originator	Change
06-Oct-2015	00	Initial Release	Dave Kennedy	n/a
26-Aug-2016	01	Update	Dave Kennedy	Updated data in China RoHS sections
21-Oct-2016	02	Update	Dave Kennedy	Updated product list, consolidated into a single list at the beginning of document.
09-Dec-2016	03	Update	Dave Kennedy	Added to new products to product list, moved to page 2 of document.
24-Mar-2017	04	Update	Dave Kennedy	Updated Product list, RoHS exemption 6(c).
07-Sep-2017	05	Update	Dave Kennedy	Added new products to product list,