# **数据库表介绍文档**

## **概述**

该文档介绍了数据库中的几个主要表及其列属性。这些表涵盖了各种产品及其相关信息，包括相机、镜头、电视、冰箱以及产品评价。

**表结构及数据量详细信息**

### **表：product**

该表存储了各种产品的基本信息，共计 **881** 条。

* **字段名 类型 描述**
* asin str 商品unique id。
* main\_category str 产品的主要分类，例如家用电器等。
* title str 产品标题。
* average\_rating float 产品的平均评分。
* rating\_number int 评分数量。
* features text 产品特点。
* description text 产品描述。
* price float 产品价格。
* images str 产品图片链接。
* videos str 产品视频链接。
* brand str 产品品牌。
* year int 产品上市年份。

### **表：camera**

该表存储了相机的详细技术参数，共计 **64** 条，主要包括Fuji，Canon，Sony，Nikon等品牌。

* **字段名 类型 描述**
* asin str 商品unique id。
* model str 相机型号。
* sensor\_type str 传感器类型。
* resolution str 分辨率。
* autofocus\_system str 自动对焦系统。
* lens\_compatibility str 镜头兼容性。
* image\_stabilization str 图像稳定。
* video\_capabilities str 视频拍摄能力。
* electronic\_viewfinder str 电子取景器。
* battery\_life str 电池续航时间。
* connectivity\_options str 连接选项。
* weight float 重量。
* dimensions str 尺寸。
* continuous\_shooting\_speed float 连拍速度。
* low\_light\_performance str 低光表现。
* dynamic\_range str 动态范围。
* iso\_range str ISO范围。
* color str 颜色。
* max\_shutter\_speed str 最大快门速度。
* min\_shutter\_speed str 最小快门速度。

### **表：len**

该表存储了镜头的详细技术参数，共计 **139** 条，主要包括Fuji，Canon，Sony，Nikon等品牌。

* **字段名 类型 描述**
* asin str 商品unique id。
* model str 镜头型号。
* lens\_type str 镜头类型。
* focal\_length str 焦距。
* maximum\_aperture str 最大光圈。
* minimum\_aperture str 最小光圈。
* lens\_mount str 镜头卡口。
* image\_stabilization str 图像稳定。
* lens\_elements str 镜头元素。
* angle\_of\_view str 视角。
* minimum\_focus\_distance str 最小对焦距离。
* filter\_size str 滤镜尺寸。
* weight str 重量。
* dimensions str 尺寸。
* autofocus\_motor str 自动对焦马达。
* lens\_coating str 镜头镀膜。
* diaphragm\_blades str 光圈叶片数。
* weather\_sealing str 防尘防水密封。
* special\_features str 特殊功能。

### **表：television**

该表存储了电视的详细技术参数，共计 **233** 条，主要包含了VIZIO，SAMSUNG，Sony， LG，TCL，Hisense等品牌。

* **字段名 类型 描述**
* asin str 商品unique id。
* model str 电视型号。
* weight float 重量。
* screen\_size float 屏幕尺寸。
* dimensions str 尺寸。
* color str 颜色。
* display str 显示类型。
* resolution str 分辨率。
* refresh\_rate float 刷新率。
* dolby bool 是否支持杜比音效。
* thickness float 厚度。
* smartTV bool 是否为智能电视。

### **表：frige**

该表存储了冰箱的详细技术参数，共计 **167** 条，主要包括乐Danby，Summit，SAMSUNG，Frestec，Avanti，GE，LG等品牌。

* **字段名 类型 描述**
* asin str 商品unique id。
* model str 冰箱型号。
* weight float 重量。
* dimensions str 尺寸。
* color str 颜色。
* shelf str 货架类型。
* annual\_energy\_consumption float 能耗。
* capacity float 总容量。
* fresh\_food\_capacity float 冷藏室容量。
* defrost str 除霜功能。
* installation str 安装方式。

### **表：review**

该表存储了用户对产品的评价信息，共计 **33,111** 条。

* **字段名 类型 描述**
* rating float 评分。
* title str 评价标题。
* text str 评价内容。
* asin str 商品unique id。
* user\_id str 用户ID。
* timestamp int 评价时间戳。
* helpful\_vote int 觉得此评价有用的票数。
* verified\_purchase int 是否为已验证购买。

样例数据

{**'main\_category'**: 'Television',

**'title'**: 'VIZIO 55-Inch QLED Smart TV with Voice Remote and Dolby Vision',

**'average\_rating'**: 3.2,

**'rating\_number'**: 9,

**'features'**: '[\'4K Ultra HD - Over 8 million pixels for breathtaking detail. 4 times the resolution of 1080p!\', \'Dolby Vision HDR - See it the way the director intended. Dolby Vision transforms your TV experience with incredible brightness, contrast, and color that brings entertainment to life like never before. M-series also supports HDR10, HDR10+ and HLG.\', \'Quantum\\xa0Color\\xa0-\\xa0Next-generation QLED delivers cinematic\\xa0color\\xa0with over a billion hues of vibrant\\xa0color.\', "Full Array Backlight - Evenly distributed LEDs across the screen\'s backlight deliver superior light uniformity and picture performance.", \'IQ Active Processor - Delivers superior picture processing, and a powerful and intelligent 4K upscaling engine that makes your favorite HD entertainment look spectacular in 4K.\', \'Speaker type: Built-In\']',

**'description'**: "['This pre-owned or refurbished product has been professionally inspected and tested to work and look like new. How a product becomes part of Amazon Renewed, your destination for pre-owned, refurbished products: A customer buys a new product and returns it or trades it in for a newer or different model. That product is inspected and tested to work and look like new by Amazon-qualified suppliers. Then, the product is sold as an Amazon Renewed product on Amazon. If not satisfied with the purchase, renewed products are eligible for replacement or refund under the Amazon Renewed Guarantee.']",

**'price'**: 509.99,

**'images'**: "[{'thumb': '<https://m.media-amazon.com/images/I/51mC3tOg6LL._AC_US40_.jpg>', 'large': '<https://m.media-amazon.com/images/I/51mC3tOg6LL._AC_.jpg>', 'variant': 'MAIN', 'hi\_res': '<https://m.media-amazon.com/images/I/81Zsx0-GRLL._AC_SL1500_.jpg>'}, {'thumb': '<https://m.media-amazon.com/images/I/51vzq3iE5mL._AC_US40_.jpg>', 'large': '<https://m.media-amazon.com/images/I/51vzq3iE5mL._AC_.jpg>', 'variant': 'PT01', 'hi\_res': '<https://m.media-amazon.com/images/I/813bG2k++3L._AC_SL1500_.jpg>'}, {'thumb': '<https://m.media-amazon.com/images/I/514AH3dR8xS._AC_US40_.jpg>', 'large': '<https://m.media-amazon.com/images/I/514AH3dR8xS._AC_.jpg>', 'variant': 'PT02', 'hi\_res': '<https://m.media-amazon.com/images/I/61xAC2fdbtS._AC_SL1200_.jpg>'}, {'thumb': '<https://m.media-amazon.com/images/I/41EEAzQGO7L._AC_US40_.jpg>', 'large': '<https://m.media-amazon.com/images/I/41EEAzQGO7L._AC_.jpg>', 'variant': 'PT03', 'hi\_res': '<https://m.media-amazon.com/images/I/714Za3YNvsL._AC_SL1500_.jpg>'}, {'thumb': '<https://m.media-amazon.com/images/I/51pbJX0tfbL._AC_US40_.jpg>', 'large': '<https://m.media-amazon.com/images/I/51pbJX0tfbL._AC_.jpg>', 'variant': 'PT04', 'hi\_res': '<https://m.media-amazon.com/images/I/81HXYNbm5WL._AC_SL1500_.jpg>'}, {'thumb': '<https://m.media-amazon.com/images/I/51bnJzh6AvL._AC_US40_.jpg>', 'large': '<https://m.media-amazon.com/images/I/51bnJzh6AvL._AC_.jpg>', 'variant': 'PT06', 'hi\_res': '<https://m.media-amazon.com/images/I/91Fh9sDo1YL._AC_SL1500_.jpg>'}, {'thumb': '<https://m.media-amazon.com/images/I/513IpbkZ4FL._AC_US40_.jpg>', 'large': '<https://m.media-amazon.com/images/I/513IpbkZ4FL._AC_.jpg>', 'variant': 'PT07', 'hi\_res': '<https://m.media-amazon.com/images/I/81lRj+n7S9L._AC_SL1500_.jpg>'}, {'thumb': '<https://m.media-amazon.com/images/I/51Ai-ieLMKL._AC_US40_.jpg>', 'large': '<https://m.media-amazon.com/images/I/51Ai-ieLMKL._AC_.jpg>', 'variant': 'PT08', 'hi\_res': '<https://m.media-amazon.com/images/I/713xolSCbkL._AC_SL1500_.jpg>'}]",

'videos': '[{\'title\': \'VIZIO 55-Inch V-Series 4K UHD LED HDR Smart TV\', \'url\': \'[https://www.amazon.com/vdp/081cb70a12c04e3090cc19995e310d1d?ref=dp\_vse\_rvc\_0\](https://www.amazon.com/vdp/081cb70a12c04e3090cc19995e310d1d?ref=dp_vse_rvc_0%5C)', \'user\_id\': \'/shop/dr.nailnipperfanpage\'}, {\'title\': \'VIZIO Award-Winning SmartCast \', \'url\': \'[https://www.amazon.com/vdp/046f30b465c34f14abfbeb3165684bba?ref=dp\_vse\_rvc\_1\](https://www.amazon.com/vdp/046f30b465c34f14abfbeb3165684bba?ref=dp_vse_rvc_1%5C)', \'user\_id\': \'\'}, {\'title\': \'Vizio M7 Series Quantum 2021 - TV Review - Is this TV worth it?\', \'url\': \'[https://www.amazon.com/vdp/0f135478d9e14f5c9982a690f18751d7?ref=dp\_vse\_rvc\_2\](https://www.amazon.com/vdp/0f135478d9e14f5c9982a690f18751d7?ref=dp_vse_rvc_2%5C)', \'user\_id\': \'AFY4K4VDPCWQD36IEMIJDVP4JY3Q\'}, {\'title\': \'Vizio 2021 M-Series (M70Q7-J03) Review | Is The Value Back?\', \'url\': \'[https://www.amazon.com/vdp/0f67df62ba354ae29934293768400edc?ref=dp\_vse\_rvc\_3\](https://www.amazon.com/vdp/0f67df62ba354ae29934293768400edc?ref=dp_vse_rvc_3%5C)', \'user\_id\': \'AGQFGFZ2QPW3Y4YNH7TUGFVHRH3Q\'}, {\'title\': \'VIZIO Sound Bar Collection \', \'url\': \'[https://www.amazon.com/vdp/012936cc5e9146c99ca654fa3360dd16?ref=dp\_vse\_rvc\_4\](https://www.amazon.com/vdp/012936cc5e9146c99ca654fa3360dd16?ref=dp_vse_rvc_4%5C)', \'user\_id\': \'\'}, {\'title\': \'VIZIO 2022 MQ7-Series \', \'url\': \'[https://www.amazon.com/vdp/0381bc41de034254b11b348fa0f7bfc8?ref=dp\_vse\_rvc\_5\](https://www.amazon.com/vdp/0381bc41de034254b11b348fa0f7bfc8?ref=dp_vse_rvc_5%5C)', \'user\_id\': \'\'}, {\'title\': "My honest and unbiased opinion of Vizio TV\'s!", \'url\': \'[https://www.amazon.com/vdp/0a0dfe06f85f4a4a864da08f38abb400?ref=dp\_vse\_rvc\_6\](https://www.amazon.com/vdp/0a0dfe06f85f4a4a864da08f38abb400?ref=dp_vse_rvc_6%5C)', \'user\_id\': \'/shop/influencer-40a46afa\'}, {\'title\': \'Watch This Before Buying Your Next Vizio TV!\', \'url\': \'[https://www.amazon.com/vdp/024ad59c98394194b62f2c69279fe6c1?ref=dp\_vse\_rvc\_7\](https://www.amazon.com/vdp/024ad59c98394194b62f2c69279fe6c1?ref=dp_vse_rvc_7%5C)', \'user\_id\': \'/shop/mccoo\'}, {\'title\': \'Honest review of 4k Vizio TV\', \'url\': \'[https://www.amazon.com/vdp/04fec63139584132b72bd66a630fd12d?ref=dp\_vse\_rvc\_8\](https://www.amazon.com/vdp/04fec63139584132b72bd66a630fd12d?ref=dp_vse_rvc_8%5C)', \'user\_id\': \'/shop/wanderingcheeks\'}, {\'title\': \'Vizio V5 Series TV Review (2021) – Worth It For A Budget Option?\', \'url\': \'[https://www.amazon.com/vdp/099b6700fda940c29cce438eefefbc74?ref=dp\_vse\_rvc\_9\](https://www.amazon.com/vdp/099b6700fda940c29cce438eefefbc74?ref=dp_vse_rvc_9%5C)', \'user\_id\': \'AFY4K4VDPCWQD36IEMIJDVP4JY3Q\'}]',

**'asin'**: 'B0B5B5HZ7M',

**'brand'**: 'VIZIO',

**'model'**: 'M Series',

**'weight'**: 29.7,

**'screen\_size'**: 55.0,

**'dimensions'**: '48.35 x 10.9 x 30.48',

**'color'**: 'Black',

**'year'**: 2022,

**'display'**: 'LCD',

**'resolution'**: '4K',

**'refresh\_rate'**: nan,

**'dolby'**: True,

**'thickness'**: 10.9,

**'smartTV'**: True}