

# FUJIFILM



Professional Disc™

## PROFESSIONAL DISC

# PD711

# XDCAM



# High compatibility and durability for professional XDCAM recording

## A Proven Reputation for Quality and Reliability

As the developer of Japan's first broadcast-use video tape in 1959, Fujifilm has long been a leader in the production of high-performance, high-reliability recording media for the broadcast industry. We've continued to innovate ever since, and in 1990 we received an Emmy Engineering Award for the significant contribution our advanced metal tape technology has made to the broadcast industry. In 2007, we introduced Fujifilm PD711 Professional Discs single layer (23GB) and they have been well-accepted in the broadcast industry. Now, we have introduced the Fujifilm PD711 dual layer disc (50GB), to meet the need for higher capacity.



PD711 DL (50GB)

PD711 (23GB)

## Outstanding Durability Under Heavy Professional Use

High-quality materials and advanced production technologies assure outstanding disc durability and rewriting stability, with ultra-low error rates even after 1,000 overwrites.

## User-friendly Pre-formatted Disc

As the disc is pre-formatted, recording can begin immediately. Therefore, the Fujifilm PD711 will help users save time and decrease the risk of missing important shots while waiting for their disc to format.

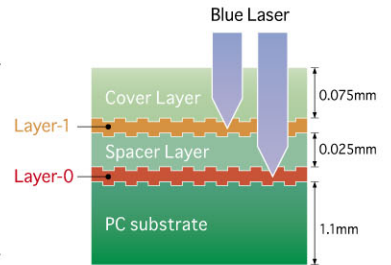
| FUJIFILM Professional Disc PD711 Technical Data |                                                           |                   |
|-------------------------------------------------|-----------------------------------------------------------|-------------------|
|                                                 | 23GB (Single Layer)                                       | 50GB (Dual Layer) |
| Disc Type                                       | Rewritable                                                |                   |
| Capacity                                        | 23.3GB                                                    | 50GB              |
| Recording Wavelength                            | 405nm(Blue-Violet Laser)                                  |                   |
| Recording Method                                | Phase Change Recording                                    |                   |
| Data Transfer Rate                              | 86 Mbps with 1 Optical Head, 172 Mbps with 2 Optical Head |                   |
| Track Pitch                                     | 0.32 μm                                                   |                   |
| Erase / Write Read Cycles                       | Over 1,000 times                                          |                   |
| No. of Read                                     | Over 1,000,000 times                                      |                   |
| Raw Byte Error Rate                             | 0.0002                                                    |                   |
| Estimated Shelf Life                            | 50 years or more                                          |                   |
| Estimated Archival Life                         | 50 years or more                                          |                   |
| Operating Condition                             | -5~55°C, 3~90% RH                                         |                   |
| Storage Condition                               | -10~55°C, 3~90% RH                                        |                   |
| Disc Diameter                                   | 120mm                                                     |                   |
| Disc Thickness                                  | 1.2mm                                                     |                   |
| Cover Layer Thickness                           | 0.1mm                                                     |                   |
| Cartridge Dimensions                            | 128.6mm x 130.6mm x 9.1mm                                 |                   |

\*PD711DL discs can only be used with XDCAM hardware that is compatible with dual layer discs.  
The following "DL mark" should appear on both the discs and the compatible hardware.

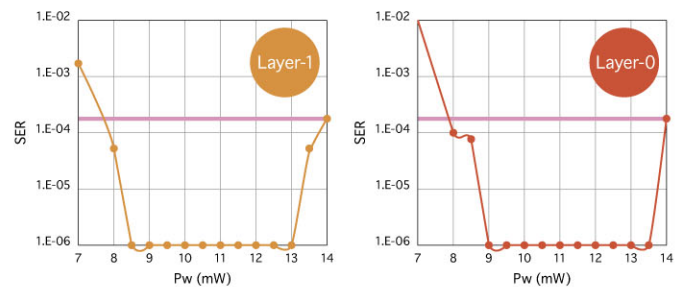
DL mark : **DL**

## Characteristics for FUJIFILM Professional Dual Layer Disc

By adopting recording layer which is appropriate for high density recording and dual recording layers structure on one side, FUJIFILM has realized 50GB recording capacity. At the same time, FUJIFILM has realized low error rate and ultra wide power margin at both layers with Super Advanced Rapid Cooling Structure.

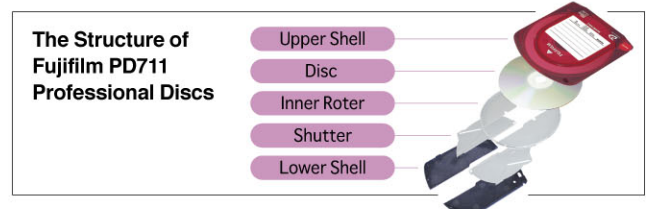


### Recording Power margin



## Precision-Engineered Cartridges

In materials and construction, Fujifilm PD711 cartridges are engineered to the highest standard of precision, and the shutter and bottom half of the cartridge shell are treated with an antistatic coating to protect discs from dust and other airborne contaminants.



## Superior Long-Term Storage Characteristics

In accelerated aging tests, Fujifilm PD711 Professional Discs have demonstrated excellent data integrity and a potential archival storage life of over 50 years.

| FUJIFILM Professional Disc PD711 Recording Time |             |                           |                           |
|-------------------------------------------------|-------------|---------------------------|---------------------------|
|                                                 |             | 23GB (Single Layer)       | 50GB (Dual Layer)         |
| HD                                              | MPEG HD     | Approx. 60min. (HQ mode)  | Approx. 145min. (HQ mode) |
|                                                 |             | Approx. 90min. (SP mode)  | Approx. 190min. (SP mode) |
|                                                 |             | Approx. 120min. (LP mode) | Approx. 250min. (LP mode) |
| SD                                              | MPEG HD 422 | Approx. 43min.(50 Mbps)   | Approx. 95min. (50 Mbps)  |
|                                                 | MPEG IMX    | Approx. 45min.(50 Mbps)   | Approx. 100min.(50 Mbps)  |
|                                                 | DVCAM       | Approx. 85min.(25 Mbps)   | Approx. 185min.(25 Mbps)  |

"Professional Disc," "XDCAM," "DVCAM" and "MPEG IMX" are trademarks of Sony Corporation.

**FUJIFILM**  
FUJIFILM Corporation

[http://www.fujifilm.com/products/recording\\_media/professional\\_av/](http://www.fujifilm.com/products/recording_media/professional_av/)