

# Mitsubishi Professional Discs for XDCAM

Mitsubishi Professional Discs for XDCAM are manufactured in Japan at Mitsubishi Kagaku Media factories for distribution by Verbatim Americas LLC. Verbatim, a subsidiary of Mitsubishi Kagaku Media, is the worldwide leader in optical media and has a long history of quality and reliability.

Verified by Sony to ensure performance and compatibility with XDCAM equipment, Mitsubishi Re-Writable Professional Discs are available in 23GB and 50GB capacities, providing up to 122 minutes of HD recording time on a single disc.\* Professional Discs utilize blue-violet laser technology for extremely high-density recording, and allow for instant random access to previously recorded materials.

A rugged protective cartridge makes these discs extremely durable, resistant to dirt, dust, fingerprints as well as vibration and shock. The discs are packed in a semi-transparent case and include a paper insert to aid in the organization of recorded materials.

Mitsubishi Professional Discs allow for up to 1,000 recording cycles and 1,000,000 read cycles without signal degradation. Combined with a 50-year archival and shelf life, these discs are a perfect archival solution for HD video or other important data. All Mitsubishi Professional Disc products are backed by Verbatim's Limited Lifetime Warranty.



**Verbatim**  
Technology you can trust

## FEATURES & BENEFITS

- Manufactured in Japan at Mitsubishi Kagaku Media factories officially licensed by Sony for the production of Professional Disc products
- Discs are officially verified by Sony for use with XDCAM equipment
- Up to 122 minutes of HD recording time\*
- 23GB and dual-layer 50GB capacities available
- Rugged protective cartridge
- Pre-formatted for use with XDCAM products
- 50 year archival life
- Up to 1,000 recording cycles and 1,000,000 read cycles without loss of signal
- Limited Lifetime Warranty

\*23GB - 43 minutes, 50GB - 122 minutes. Recording times based on MPEG HD 422 50MBps

## HARDWARE COMPATIBILITY

CAMCORDER						
PDW-850	PDW-F800	PDW-750	PDW-740	PDW-700	PDW-680	PDW-F355
PDW-F335	PDW-F350L	PDW-F330	PDW-539P	PDW-510	PDW-530	

For full compatibility information, please visit [www.verbatim.com/professional-disc/compatibility](http://www.verbatim.com/professional-disc/compatibility).

## RECORD TIMES

	RECORDING FORMAT	RECORDING BIT RATE	PFD23A/3	PFD50DLA/3	PFD100TLA	PFD128QLW
High Definition	XDCAM MPEG HD422	50 Mbps	43 min.	95 min.	190 min.	240 min.
		35 Mbps	65 min.	145 min.	290 min.	360 min.
	XDCAM HD	25 Mbps	85 min.	190 min.	380 min.	480 min.
		18 Mbps	112 min.	248 min.	496 min.	600 min.
Standard Definition	MPEG IMX	50 Mbps	45 min.	100 min.	200 min.	240 min.
		40 Mbps	55 min.	120 min.	240 min.	300 min.
	DVCAM	30 Mbps	68 min.	150 min.	300 min.	360 min.
		25 Mbps	85 min.	185 min.	370 min.	450 min.

## SPECIFICATIONS

	98927	98928**
Case Shape	Standard	Standard
Disc Type	Rewritable	
Formatted capacity	23.3GB***	50GB***
Recording Format	Phase Change Recording	
Laser Wavelength	405 nm	
Cartridge Dimensions	128.6 x 130.6 x 9.1 mm ****	
Disc Diameter	120 mm****	
Disc Thickness	1.2 mm	
Cover Layer Thickness	0.1 mm	
Max Data Transfer Rate	86 Mbps	
Substrate	Polycarbonate	
Erase/Write/Read cycles	More than 1,000 time	
Read Stability	More than 1,000,000	
Operating Conditions	-5~55 degC / 3~90%RH	
Storage Conditions	-10~55 degC / 3~90%RH	
Estimated shelf life	More than 50 years	
Estimated archival life	More than 50 years	

\*\* 98928 can be used with XDCAM® equipment which is compatible with dual layer discs.

\*\*\* Since a portion of data area will be used for data management, the available capacity may vary.

\*\*\*\* Nominal value.