

SONY

make.believe

PFD-23A

Professional Disc is a single-sided, optical disc that uses state-of-the-art blue-violet laser technology to allow extremely large-capacity recordings of 23.3 GB. The speed has been increased up to 2.4x. It will also be the recording medium of choice for the new 2006 Sony HD XDCAM range.



- **Easy Migration to HD**
- **Designed together with XDCAM decks for maximum system performance**
- **Speed increased up to 2.4x**
- **Totally Flexible 'Format Free' Recording**
- **High Capacity Optical Disc - Up to 23.3 GB of storage!**
- **Quick random access saves time and improves reliability**
- **Ultra fast data transfer - Up to 72 Mbps on a single head deck (144 Mb/s from dual head units)!**
- **Outstanding picture quality across HD, MPEG IMX & DVCAM**
- **Tough enough for extreme temperatures & environments**

Technical Specifications

Specifications	
Storage Capacity (GB)	23.3
Laser wavelength blue violet (nm)	405.0
Writing Data Transfer rate per optical head (Mbps)	72.0
Disc Diameter (mm)	120.0
Cartridge Width (mm)	128.6
Cartridge Height (mm)	130.6
Cartridge Depth (mm)	9.1
Cartridge Width (inch)	5.125

Cartridge Height (inch)	5.25
Cartridge Depth (inch)	0.375
Recording Format	Phase Change Recording
Track pitch (μm)	0.32
Erase/write/read cycles (times)	bigger or equals to 1000
Read cycles (times)	bigger or equals to 1 000 000
Raw byte error rate	Inferior or equals to 0.0002
Estimated shelf life (years)	bigger or equals to 50
Estimated archival life (years)	bigger or equals to 50