Professional Storage Media for Cinematography

Based on years of experience developing OEM SSDs for first-tier cinematography camera manufacturers, Exascend has developed several patented designs for filming storage media. Three key aspects contribute to the quality of filming. Most importantly, sustained performance is critical for guaranteeing data integrity under high frame rate capture and smooth RAW recording. Secondly, power consumption/thermal issues and high performance presents a trade-off, thus requiring a powerful firmware algorithm specifically tuned for each camera's requirements. Last but not least is the ultimate data recovery service carried out by in-house engineers – a critical insurance for when an unexpected incident occurs.

Custom Plug-In Storage

Fully customized storage magazine for use in tier-one professional cameras

Partnership Highlights

- Industry's 1st PCIe NVMe SSD Designed for 4K/6K/8K Digital Cinematography
- High Performance, Low Power, Low Latency
- Specified form factor: define by camera manufacturer
- Specified sustained write: 2GB/s
- Specified active power consumption: <6W
- Value-added feature tuning: write-enabled in-camera but read-only mode when used elsewhere

Standard form factor storage for Blackmagic Design, Canon, RED, Z CAM, and Nikon

Performance Highlights

- CFexpress: Max. 1,700 MB/s (Read/Write), Guaranteed min. 400 MB/s (Write)
- CFast: Max. 500 MB/s (Read/Write), Guarantee min. 130 MB/s (Write)

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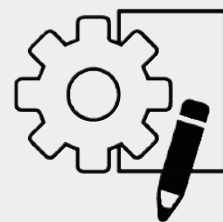## Embedded Storage Device

Embedded Memory Storage for Zeiss ZX1

Partnership Highlights
- Exascend M.2 2260 SATA 512GB SSD (built in)
- Fix BOM on major components, PCN/EOL in advance notice to guarantee 100% compatibility
- Video Format : MP4 video, 4K (3840x2160 px) up to 30 fps with H.265, FHD (1920x1080 px) up to 60 fps with H.264

Exascend Product Design Service

- Thermal, performance and power budget tuning
- Configurable capacity and provisioning
- Configurable DWPD (drive writes per day) for extended endurance and life
- Customized drive SMART status and telemetry data
- Write protect or read-only mode for security purpose
- Custom form factor and connector interface
- Fixed major BOM (Controller / Flash / Firmware)
- Exclusive factory data recovery service

Exclusive Data Recovery Service

With full control of hardware, firmware, and beyond, Exascend has developed all the necessary tools, knowledge, and experience at our disposal to recover lost data from our devices. Even for when the worst has happened and your Exascend device has suffered accidental physical damage, our engineering team can also assist with necessary repairs to facilitate factory data recovery. Put simply, recovering your data is our top priority – no matter what.