

Designed for what's next

The ProGrade Digital Cobalt CFexpress memory cards are based on proven, Solid-State Drive (SSD), PCIe controller technology that offers both best-in-class value and performance options for imaging devices of the future. Non-Volatile Memory Express (NVMe) host controller interface in the CFexpress standard ensures that host and card performance are optimized for our leading edge CFexpress product lines. All ProGrade Digital CFexpress cards are compliant with the CompactFlash Association, CFexpress 2.0 specification—including PCIe and NVMe interoperability compliance.

For emerging mainstream imaging applications, our Type A Cobalt label cards support burst write speeds of 700MB/sec—ideal for Mirrorless, full frame burst shooting. In addition, our CFexpress Type A Cobalt cards have a minimum sustained write speed of over 400MB/s (VPG400) specifically designed for high-resolution video capture and long, sustained burst image capture applications across their entire density. The CFexpress Type A cards provide sequential read speeds of up to 800MB/sec. ensuring that offload time is minimized, and workflow efficiency is greatly improved over applications that traditionally use SD UHS-II or CFast memory formats.

ProGrade Digital CFexpress Type A Delivers:

Densities and Performances	Cobalt
	160GB
	Max Read: 800MB/s Max Write: 700MB/s Min Write*: 400MB/s *Min Sustained Write
Interface	NVMe 1.3 with PCIe Gen3 x1 interconnect
Operating Voltage	+3.3V; Min = +3.0V, Max = +3.6V
Operating Current Normal	800mA, Max: 1500mA
Power Management	Supports Power States (PS0, PS1, PS2, PS3, and PS4) with PS4 power consumption under 2mW
Storing Temperature	-40C to 100C
Operating Temperature	-25°C to 85°C
Operating & Storage Humidity	95% or less (non-condensing)
Shock	150G, 11ms duration, half sine wave
Vibration	10Hz - 2000Hz / 1.52mm displacement 10Hz - 2000Hz, 15G acceleration
Altitude	2.26psi/Altitude:24384m
SMART & Sanitize	Yes
X-ray Proof	Yes
Dimensions	Type A: 20mm x 28mm x 2.8mm
Warranty	3-year

- Fully compliant with CompactFlash™ Association CFexpress Type A 1.0 and 2.0 specifications
- Metal enclosure/encasement to endure high temperatures while providing better thermal conductivity
- Built-in thermal throttling to protect your card and its content in the event of overheating
- Designed to provide peak performance for flagship cinema, video and photography cameras
- Optimized controllers specifically designed for use in professional-grade cameras
- Rigorous full card testing with serialized tracking of key components and manufacturing data for the highest quality control
- Component-level testing down to individual memory chips for optimal quality

