



# Professional storage solutions

*for cinematographers and photographers*

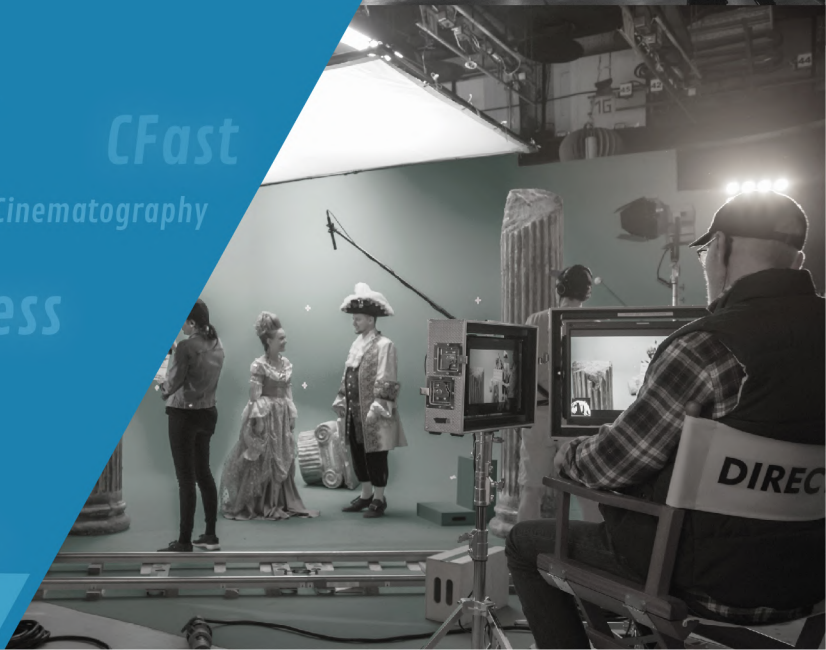
[www.exascend.com](http://www.exascend.com)



**CFast**  
Cinematography

**CFexpress**  
Photography

**SD**  
UHS-I UHS-II





# Exascend: storage for true professionals

Exascend is an engineering-driven leader in cinematography and photography flash storage solutions, providing products designed for true cinematography professionals. Our goal is to allow our users to reach the pinnacle of artistic expression and commercial success with storage products that allow for limitless expression.

We are combining our expertise in rugged industrial-grade SSDs and extreme-performance enterprise SSDs to craft unrivaled cinematography storage solutions that excel in sustained performance, reliability and technological prowess.

Working together with leading cinematography equipment manufacturers and some of the best people in the industry, we have created a product portfolio that brings the best out of any camera system and allows professionals to tackle even the most demanding shots.

With Exascend's storage solutions, your perfect shot is in safe hands. Every time.



**Store the world with Exascend**





## Tough environments

Scorching heat and freezing cold. High humidity, external shocks, and constant vibrations. Media storage needs to handle everything a challenging shot throws at them.



## Dropped frames and ruined shots

High-bitrate capture in ultra-high resolutions puts shots at high risk of suffering frame drops and other recording issues that can be extremely costly.



## Poor equipment compatibility

Different camera systems have different requirements, making it crucial to use recording media that allows you to bring the full potential out of your equipment.



## Data corruption and footage loss

Data corruption and loss is a constant risk with a myriad of potential causes including accidents, hardware damage, and electromagnetic interference.

# Professional challenges





## Industrial-grade storage

Exascend's storage products are designed for the toughest industrial applications and are hardened against environmental threats – enabling high performance and reliability anywhere.



## Engineered for sustained performance

With patented technologies and unique firmware design, Exascend's storage solutions provide extreme sustained performance that does not waver under heavy load.



## Fully tested and certified

Our storage solutions are created in partnership with leading camera system manufacturers and undergo stringent testing to certify that they deliver uncompromised performance in all equipment.



## Factory data recovery

Exascend's exclusive factory data recovery service ensures that your footage has the highest chance of full recovery in the case of an accident. Our engineering team knows the ins and outs of each product and possesses the knowledge and experience required for successful data rescue.

# Cinema-optimized solutions

# Our secret recipe



## Adaptive Thermal Control™

Exascend's storage products are designed for the toughest industrial applications and are hardened against environmental threats – enabling high performance and reliability anywhere.



## SuperCruise™

A unique firmware algorithm developed by Exascend that optimizes the ratio of free block availability and usage while prioritizing and regulating response time, thus ensuring consistent high performance without any shot-ruining stuttering or frame drops.



## Data Integrity Plus

Feature set that includes advanced technologies such as RAID ECC, Data Retention Plus™ and end-to-end data path protection – guaranteeing that not a single piece of footage data gets corrupted in transit or while stored inside your Exascend card.





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**Having full confidence in that every shot is perfectly recorded and stored means complete freedom to focus on what's important.**

# CFast

Our CFast cards provide the industry's highest sustained performance, ensuring that even long shoots are perfectly recorded without any performance hiccups. Developed together with leading camera system designers and certified with all major manufacturers, you can trust Exascend's CFast cards with bringing the best out of your equipment.



|                 |              |        |        |        |
|-----------------|--------------|--------|--------|--------|
| Capacity        | 1 TB         | 512 GB | 256 GB | 128 GB |
| Max. read/write | 550/530 MB/s |        |        |        |
| Temperature     | -5-70 °C     |        |        |        |

## Advanced technologies



### Afterburner™

Advanced technology that unlocks the highest possible performance



### Power Tuning

Adjustable performance profiles to suit any application



### Data Retention Plus™

Dynamically refreshes user data to avoid data degradation



### SuperCruise™

Patented algorithm that ensures extreme sustained performance



### AES-256

Military-grade encryption that fortifies data security

## CFast reader

The perfect choice for blazing-fast footage offloading, Exascend's CFast reader ensures that you do not spend any unnecessary time waiting for files to transfer between your devices. Going from filming to post-production has never been easier.







Memory Card  
CFast Type 1

**EXASCEND**

**ESSENTIAL**

1 TB 520 MB/s 500 MB/s

**ESSENTIAL**

AN ESSENTIAL SOLUTION FOR HIGH RESOLUTION 4K RAW VIDEO CAPTURE

Factory Data Recovery (FDR) On Site

CFast 2.0

4K

520 MB/s

500 MB/s

EXASCEND

CFast 2.0 Reader

**EXASCEND**

**ESSENTIAL**

1 TB 520 MB/s 500 MB/s

CFast 2.0

4K

520 MB/s

500 MB/s

# CFexpress

With Exascend's CFexpress cards, you get extremely high-performance storage with over 300 percent faster read and write speeds than comparable CFast cards. These cards feature Exascend's trademark sustained performance-enhancing technologies and unique hardware design with the world's fastest mass-market card type – providing ample performance to take on the pinnacle of cinematography.



|                 |                  |        |        |                  |
|-----------------|------------------|--------|--------|------------------|
| Capacity        | 1 TB             | 512 GB | 256 GB | 128 GB           |
| Max. read/write | 1,700/1,700 MB/s |        |        | 1,700/1,400 MB/s |
| Temperature     | -10–70 °C        |        |        |                  |

## Advanced technologies



### Afterburner™

Advanced technology that unlocks the highest possible performance



### Power Tuning

Adjustable performance profiles to suit any application



### Data Retention Plus™

Dynamically refreshes user data to avoid data degradation



### SuperCruise™

Patented algorithm that ensures extreme sustained performance



### AES-256

Military-grade encryption that fortifies data security

## CFexpress reader

Exascend's brand new CFexpress reader provides CFexpress users with the fastest way to get footage from the camera system into the post-production workflow – wasting no time on slow transfers.





Memory Card  
CFexpress  
Type B



EXASCEND



ESSENTIAL

AN ESSENTIAL SOLUTION FOR  
HIGH RESOLUTION 8K AND 8K  
RAW VIDEO CAPTURE



17



8 YEARS ON PANGLOSS AWARDS  
WINNER



EXASCEND

CFexpress Type B Reader



EXASCEND

ESSENTIAL



8K

1700 MB/s  
1700 MB/s

1 TB

# SD card (UHS-I & UHS-II)

Exascend's brand-new Catalyst and Essential series SD cards bring Exascend's trademark cinematography and rugged expertise to the high-speed SD UHS-I and UHS-II formats. Ideal for ultra-high resolution photography and enthusiast video capture, these cards provide the perfect balance between price and performance.

## UHS-II



| Series              | Catalyst     |       | Essential    |       |
|---------------------|--------------|-------|--------------|-------|
| Capacity            | 128 GB       | 64 GB | 128 GB       | 64 GB |
| Max. read/write     | 300/280 MB/s |       | 300/260 MB/s |       |
| SD card speed class | V90          |       |              |       |
| Temperature         | -25-85°C     |       |              |       |

## UHS-I



| Series              | Catalyst     |       | Essential    |       |
|---------------------|--------------|-------|--------------|-------|
| Capacity            | 128 GB       | 64 GB | 128 GB       | 64 GB |
| Max. read/write     | 180/150 MB/s |       | 170/140 MB/s |       |
| SD card speed class | V30          |       |              |       |
| Temperature         | -25-85°C     |       |              |       |





Memory Card  
SDXC UHS-I

V30

EXASCEND

CATALYST

128 GB

R 150 MB/s  
W 150 MB/s

V30

CATALYST

A MUST-HAVE SOLUTION FOR  
HIGH RESOLUTION 4K VIDEO  
CAPTURE.

4K 200FPS 8K



EXASCEND

CATALYST

128 GB

R 300 MB/s  
W 280 MB/s

V90

EXASCEND

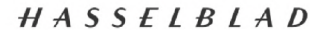
POTENTIAL

128 GB

R 300 MB/s  
W 280 MB/s

V30

# Compatible brands



## Certified compatibility\*

Camera systems where Exascend's memory cards have undergone extensive testing and been certified as fully compatible.

### CFast

| Manufacturer      | Model                               |
|-------------------|-------------------------------------|
| Blackmagic Design | Pocket Cinema Camera 4K/6K          |
| Blackmagic Design | URSA Mini Pro 12K/4.6K              |
| Canon             | EOS C200/C300 MKII/C700/ FF/1D MKII |
| Canon             | XC10/XC15                           |
| Z CAM             | E2 F6/F8/S6/M4                      |
| Hasselblad        | H6D 50c/100c/400c M5                |
| ATOMOS            | Ninja Star                          |

### CFexpress

| Manufacturer | Model             |
|--------------|-------------------|
| Canon        | EOS 1DX MKIII     |
| Canon        | EOS R5            |
| Canon        | EOS R3            |
| Nikon        | D6                |
| Nikon        | Z6                |
| Nikon        | Z7                |
| Nikon        | Z9                |
| Panasonic    | LUMIX DC-S1R/DCS1 |

### SD card (UHS-II)

| Manufacturer      | Model   |
|-------------------|---|
| Blackmagic Design | Pocket Cinema Camera 4K, Pocket Cinema Camera 6K, Pocket Cinema Camera 6K Pro, URSA Mini Pro 4.6K G2, URSA Mini Pro 12K |
| Blackmagic Design | URSA Broadcast, URSA Mini Pro 4.6K  |
| Canon             | EOS C70   |
| Canon             | EOS R3, EOS R5  |
| Panasonic         | AU-EVA1, LUMIX BGH1   |
| Sony              | FX3, FX6  |
| Hasselblad        | X1D II 50c  |
| Nikon             | D780 SD   |
| Nikon             | D500, D850  |
| Nikon             | Z 6II, Z 7II  |
| Panasonic         | LUMIX DC-S1H, DC-S5   |
| Sony              | a7C, a7RIV, a7R III, a7 III   |

# Co-branded products

EXASCEND + Z CAM

EXASCEND + ARCHON



CFast 2.0 memory card lineup optimized for Z CAM's E2 camera system and developed in collaboration with Z CAM's engineering team.

Ultra-fast CFast and CFexpress cards designed exclusively for RED's KOMODO and V-RAPTOR camera systems. Certified by RED engineers and designated as officially RED-approved storage media.



## Contact us

Exascend Co., Ltd.  
Room 2, 10F, No.171, Songde Rd.,  
Xinyi Dist., Taipei City 110, Taiwan.

Tel: +886-2-2726-6500  
Fax: +886-2-2726-6126

[www.exascend.com](http://www.exascend.com)

