

# Ember Specs

## IMAGE SENSOR

Format

S35

Native Aspect Ratio

5:4

Pixel Size

4.5 $\mu$ m x 4.5 $\mu$ m

Native Resolution

21MP 5120 x 4096

Active Area

23.04mm x 18.43mm

Shutter Type

Global Electronic

Native ISO

300

## LENS MOUNT

Standard Lens Mount

E-mount Compatible

Removable

Yes

Positive Locking

Yes

Electronic

No

## RECORDING

Media

Internal NVMe SSD

Media Size

4TB

Format

Apple ProRes

Native Bit Depth

10-bit

Resolutions / Frame Rates

See [Maximum Frame Rates](#)

## POWER

DC Input Voltage

Operation

12-26V

Power Consumption

Standby

20W

Recording (Max Rate)

40W

## INTERFACE

DC Input

4-pin Molex Microfit  
w/ CAN

HDMI Output	HDMI A (Full Size) 1080p30
GPIO	6-Pin JST GH Optically Isolated Start/Stop/Sync UART (3.3V or 5.0V)
USB	Type C (Reversible) USB 3.2 Gen1x1 SuperSpeed 5Gb/s
Wireless	WiFi 5 (802.11ac)
Ethernet	RJ45 Connector 1000BASE-T (GigE)

## OTHER FEATURES

Firmware Update	via USB-C
Upgradeable Storage	Yes
On-Board IMU	Yes
LCD	No
Audio Recording	No
Autofocus	No

## PHYSICAL

Dimensions	w/ E-mount	100mm Width x 104mm Height x 86mm Depth
Weight	w/ E-mount	820g

Mounting Points	1/4-20	2: 1x Top, 1x Bottom
	M3	24: 4x per Side

## ENVIRONMENTAL

Operating Temperature	0°C to 40°C
Ingress Protection	IP52