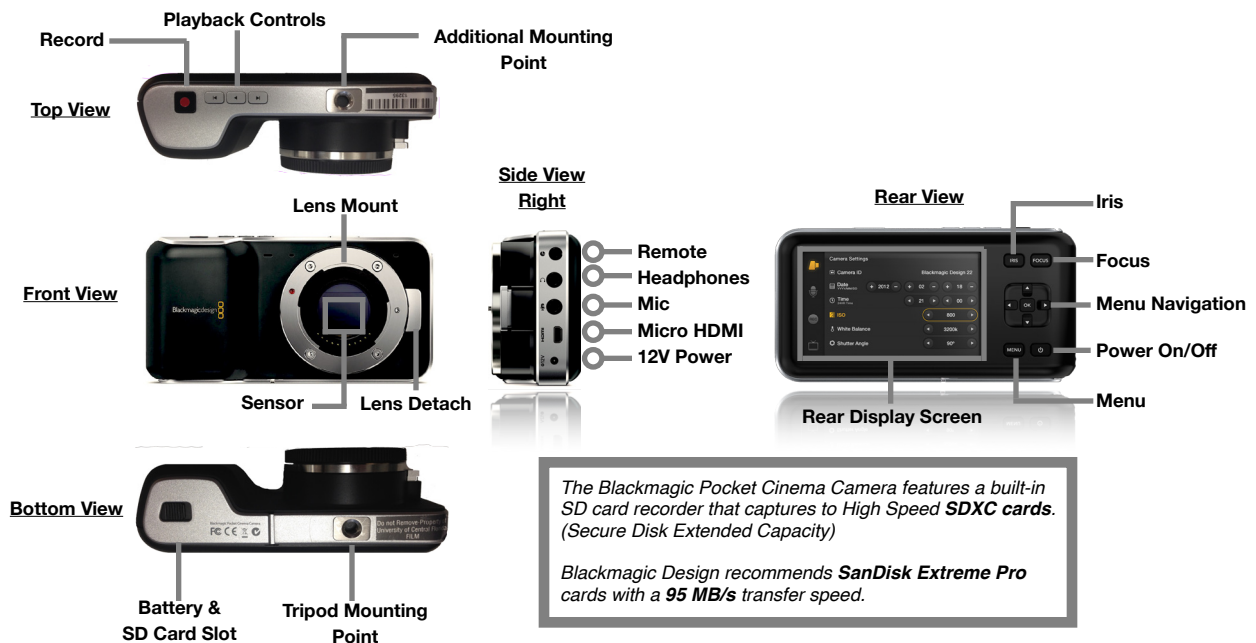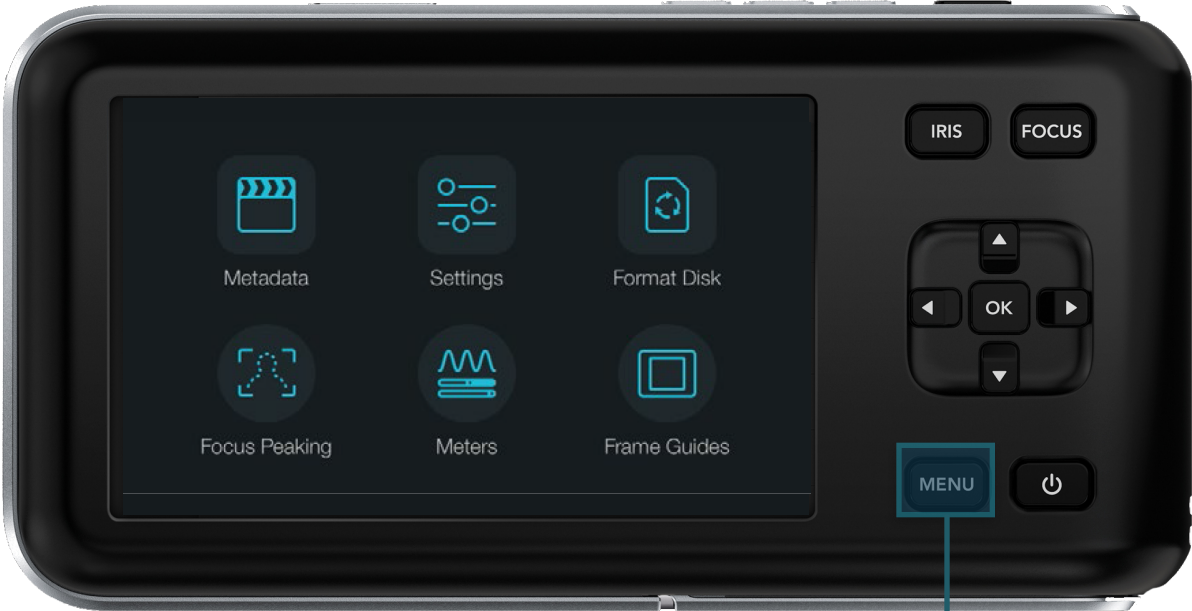# Blackmagic Pocket Cinema Camera

Overview

The Blackmagic Pocket Cinema Camera (BMPCC) is capable of capturing video with a 13-stop dynamic range. It shoots natively to two codecs:

- **Apple ProRes 422 (.mov) -** A video codec in a **.mov** container. These files can be imported into any **NLE** (**Non-Linear Editor**) and edited without the necessity of transcoding. This also includes **Proxy, LT, and HQ**

- **CinemaDNG RAW (Folder with .dng frames) -** A file format designed to store high-resolution video streams in lossless Camera RAW. Each video frame is independently encoded using the **DNG (Digital Negative)** image format. The video stream is stored as a sequence of individual frame files inside a folder.

Resolution	Frame Rates	Codecs (Max Storage Rates*)	Audio
1080p (1920 x 1080)	23.98, 24, 25, 29.97, 30	Apple ProRes 422 Proxy (5.6 MB/s) Apple ProRes 422 LT (12.75 MB/s) Apple ProRes 422 (18.4 MB/s) Apple ProRes 422 HQ (27.5 MB/s) CinemaDNG RAW (60 MB/s) *Storage rates based on 30 fps	PCM Uncompressed .wav 48kHz 24bit Stereo

Sensor Size	Native ISO	Lens Mount	Audio Input
12.5 x 7mm (2.88x Crop)	800	Active Micro Four Thirds (MFT)	(1) 3.5mm (1/8 inch) Stereo

Top View — Record, Playback Controls, Additional Mounting Point

Front View — Lens Mount, Sensor, Lens Detach

Side View Right — Remote, Headphones, Mic, Micro HDMI, 12V Power

Rear View — Iris, Focus, Menu Navigation, Power On/Off, Menu, Rear Display Screen

Bottom View — Battery & SD Card Slot, Tripod Mounting Point

The Blackmagic Pocket Cinema Camera features a built-in SD card recorder that captures to High Speed **SDXC cards**. (Secure Disk Extended Capacity)

Blackmagic Design recommends **SanDisk Extreme Pro** cards with a **95 MB/s** transfer speed.

Dashboard Menu

Metadata
Input data information to be stored within the clips, like Title, Date, Scene, Take, etc.

Settings
Input camera, audio, recording, and display settings. See next page…

Format Disk
Erase and Conform the SD Card inserted into the camera to prepare for recording.

Focus Peaking
Activate green edges around the sharpest parts of the image to assist in Focusing.

Meters
Activate histogram, peak audio, and recording time remaining.

Frame Guides
Activate markers to assist in composing various aspect ratios.

Recommended Cinema Camera Settings:

Menu > Settings

Camera Settings

🎞 Camera ID		Blackmagic Design 22
📅 Date YYYY/MM/DD	+ 2012 −	+ 02 − + 18 −
🕐 Time 24HR Time		◄ 21 ► ◄ 00 ►
▦ ISO		◄ 800 ►
🌡 White Balance		◄ 3200k ►
🔄 Shutter Angle		◄ 90° ►

IRIS FOCUS

OK

MENU ⏻

Camera
ISO - **800**
Shutter Angle - **180 Degrees**

This setup is based on the camera's "Native" settings. Adjust as needed

Audio
Ch 1 and Ch 2 Input Levels: **Mic**
Ch 2 uses Ch 1 Input: **Yes**

This device is recommended only for reference audio.

Recording
Recording Format: **ProRes (422 or 422 HQ), RAW***
Dynamic Range: **Film***
Frame Rate: **23.98 fps**

*Requires Color Grading

Display
Refers to Rear Display Screen
Settings Based on User Preference