

# BOSMA B1 8K Cinema Camera

DC0300

BOSMA

Recording, compressing, and line output of 8K 60p video at a competitive price



## Features

- ◆ Supports 8K 60p shooting with a 47.94 million pixel full-frame CMOS image sensor with PL lens mount
- ◆ Bosma B1 enables high picture quality imaging with low motion distortion. We suggest it be used for 8K transmission of live events such as stage and music

## Multiple Resolutions and Framerates

	Resolution									
CMOS Model	Full Frame CMOS								Full Frame CMOS Super 35mm	
Frame Rate	DCI 8K 8192x4320	UHD 8K 7680x4320	UHD 6K 5760x3240	DCI 6K 6144x3240	UHD 4K 3840x2160	DCI 4K 4096x2160	DCI 2K 2048x1080	UHD 2K 1920x1080	DCI 6K 6144x3240	DCI 4K 4096x2160
25/30P	●	●	●	●	●	●	●	●		
50/60P	●	●	●	●	●	●	●	●	60P	60P
120P					○	○				
240P							○	○		

○ : To record images to be played back as slow motion images at high frame rate which is up to 120P or 240P, only crop modes are available in 4k and 2k resolution.

## Specifications

Maker	Guangzhou BOSMA Corp.	Audio	3.5mm Plug Inputx1, Outputx1 Equipped with Built-in Stereo Mic
Model Names	BOSMA B1 8K Cinema Camera	Storage	USB 3.0 TypeC SSD diskx1
Sensor	35mm Full Frame CMOS	Interfaces	12G-SDIx4 (Max Uncompressed 4K @ 60 fps YUV 10bit 4:2:2 Output ; Max 1080P @ 60 fps Output)
Shutter Format	Rolling Shutter		Ethernet (1GbE RJ-45 DHCP)x 1
Effective Pixels	8458x5668		TC IN/OUTx1
Lens Mount	PL		Genlockx1
Dynamic Range	14 Stop (SDR)		USB 3.0 TypeCx1
Gamma Curve	HLG	Encode	H.264 (8-bit 4:2:0)/H.265 (10-bit 4:2:0)
Color Gamut	ITU-R BT.709/ITU-R BT.2020	Power	Power Requirements 84W (During recording)
Shutter	Auto / Manual (1/30s–1/32000s)		Power Battery V-mount battery (Battery not included)
Resolution/ Frame Rate	8192x4320 (8K DCI) @ 60/50/30/25/24 fps		Power Input DC 12V/7A
	7680x4320 (8K UHD) @ 60/50/30/25/24 fps		Power Output DC 12V ±5%/1A
	6144x3240 (6K DCI) @ 60 fps		
	5760x3240 (6K UHD) @ 60 fps		
	4096x2160 (4K DCI) @ 120/60/50/25/24 fps		
	3840x2160 (4K UHD) @ 120/60/50/30/25/24 fps		
	2048x1080 (2K DCI) @ 240/60/50/30/25/24 fps		
	1920x1080 (HD) @ 240/60/50/30/25/24 fps		