

# 2023 PRODUCT MANUAL



DEDICATED



PROFESSIONAL



EXTRAORDINARY

PortKeys

**BM5WR**

2200nit Wide Color Gamut  
Wireless Camera Control Monitor



Custom 3D LUT



Wireless Camera Control



Image Capture and Overlay



Connected to REC KEY



Anamorphic



Factory Color Calibration



### Wireless Touch Control Sony Cameras

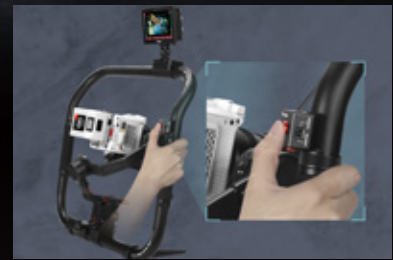
Wireless control KOMODO / BMPCC 4K / BMPCC 6K / BMPCC 6K Pro, Video Real-Time Eyes Focus



### Custom JPG Picture Freeze Frame

After capturing an image, it can be compared with real-time video by semi-transparent image superposition

Note: Must be a 16:9 1920x1080 jpg image



### Connected to REC KEY

REC KEY can be the record switch of cameras when connecting BM5WR. At the same time REC KEY can also be used independently as a record switch of camera which has the remote port

### Brightness and RGB Signal Detection Before/After Loading 3D LUT

Loading 3D LUT More gorgeous image, More intuitive monitoring

### Anamorphic Lens Calibration

Supported Ratio:  
1.00X/1.33X/1.42X/1.50X/1.60X/1.66X/1.85X/2.00X/2.35X  
User-defined adjustment range: 0.25X-4.00X

### Wired Control Tilta Nucleus-N/M Motors

Compatible with Tilta Nucleus-N/M Motors and display the wireless follow the focus scale

### Customized Peaking Range(Peaking Frame)

New Peaking New Algorithm More intuitive More accurate

### CNC Aluminum Alloy All-metal Shell

With Fast Heat Dissipation and High Durability

### HDMI to SDI HD Output

Built-in signal conversion, no external signal conversion box required

# PRODUCT INTRODUCTION



## Basic Parameters

Screen Size	5.5"	Contrast Ratio	1000:1
Color Gamut	85% P3	Weight	383g
Resolution	1920x1080	Maximum Power	14W
Brightness	2200nit	Video Signal Output	SDI
Viewing Angle	178°H/178°V	Antenna	2.4G
Dimension	145.4x120.9x38.5mm		
Color Depth	10bit(8+2 FRC)		
Material	Aluminum alloy+Toughened glass		
Video Signal Input	SDI, HDMI		
Motor Control Port	5pin Aviation Connector		
Camera Control Port	Mini USB 10pin		
Input Voltage	4pin Aviation Connector IN 7.4 -24V		
Output Voltage	4pin Aviation Connector OUT 7.4V (NPF)		
USB-A	Upgrade Firmware /Load LUT		

## Software Function

3D LUT	HDR(HLG)	Screenshots
Anamorphic	Osd Flip	Rectangle Crop
New Peaking	False Color	Fan Adjustable
Histogram	H/V Delay	BMD SDI TALLY
Guides	Aspect	3D LUT SDI Output
Custom RGB	Zebra	HDMI to SDI Output
Check Field	Sharpness	Touch Switch (EXIT)
Grids	Chroma	High Precision Waveform
Audio Meters	Brightness	Battery (Level) Display
Tint	Contrast	Wired/wireless Camera Control
Backlight	Underscan	Cross Hair
Image Flip Automatically/Manually	1080p Refresh Rate Reduced to 1080i	
Control Tilt Motor and Cursor Display	Screenshot and Video Overlay	

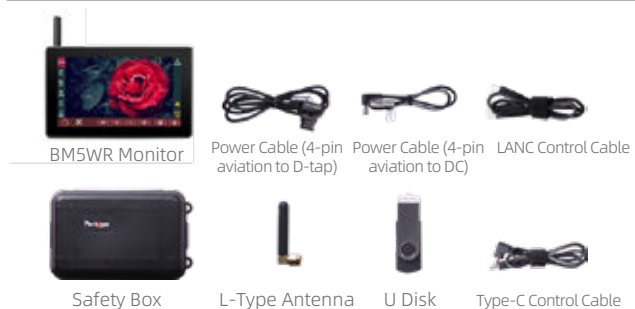
## HDMI Signal

1920x1080p@23.97Hz,24Hz,25Hz,29.97Hz,30Hz,50Hz,59.94Hz,60Hz
1920x1080psf@23.97Hz,24Hz,25Hz,29.97Hz,30Hz
1920x1080i@50Hz,59.94Hz,60Hz
1280x720p@50Hz,59.94Hz,60Hz
720x576i@50Hz
720x576p@50Hz
720x480p@59.94Hz,60Hz
720x480i@59.94Hz,60Hz

## SDI Signal

1920x1080p@50fps,59.94fps,60fps
1920x1080p@50Hz,59.94Hz,60Hz,YUV422
1920x1080p@23.98Hz,24Hz,25Hz,29.94Hz,30Hz YUV444/YUV422
1920x1080psf@23.98Hz,24Hz,25Hz,29.97Hz,30Hz YUV444/YUV422
1920x1080i@50Hz,59.94Hz,60Hz YUV444/YUV422
1280x720p @50Hz,59.94Hz,60Hz YUV444/YUV422

## Packing List



### RED

Wi-Fi Control *Built-in Wireless Module	KOMODO KOMODO-X V-RAPTOR V-RAPTOR XL	REC   FOCUS   IRIS   SHUTTER   ISO   FPS   CT   EV   AUTO FOCUS   TOUCH FOCUS   MANUAL AUTO MODE SWITCHING
RCP2	KOMODO KOMODO-X V-RAPTOR V-RAPTOR XL	
5 pins to 4 pins Cable	DSMC2	REC   FOCUS   IRIS   SHUTTER   ISO   MENU   PLAYBACK   F1/F2/F3

### SONY

LANC Control Cable	FS5 FS7 FX6 FX9	REC   IRIS   ZOOM   FOCUS   DIGITAL ZOOM   DISPLAY   FUNCTION   JOYSTICK   WHEEL   PLAYBACK   MENU
MULTI Control Cable	A9I A9II A7M II A7R II A7S II A7M III A7R III A7S III A7R IV A7M IV A6000 A6300 A6400 A6500 RX100 RX02 FX3 FX30	REC   TAKE PHOTOS   IRIS   ISO   SHUTTER   ZOOM   SINGLE FOCUS
TYPE-C(USB-C) Control Cable	A1 A7C ZV-E10 ZV-1 A9 II A7M III A7R III A7S III A7R IV A7M IV FX3 FX30	
Wi-Fi Control *Built-in Wireless Module	A1 A9II A7S III A7C FX3 FX30 ZV-1 ZV-E10 A7IV RX10 A7M IV A7RIV A7RV	FOCUS   TOUCH FOCUS   REC   IRIS   ISO   SHUTTER   COLOR TEMPERATURE   WB   EV   FOCUS AREAS   SINGLE FOCUS   EXPOSURE NODE
	RX0	
	A7M III	REC   IRIS   ISO   SHUTTER   FOCUS   WB   EV   FORMAT   SHOOTING   SINGLE FOCUS   RECORDING
Bluetooth Connection *Built-in Wireless Module	BMPCC 4K (ZOOM) BMPCC 6K BMPCC 6K Pro	REC   PLAYBACK   IRIS   FOCUS   ISO   RESOLUTION   AUTO EXPOSURE   WHITE BALANCE   SHUTTER   MODE SELECTION   OFF SPEED RECORDING   PROJECT FRAME RATE   CODEC AND QUALITY   OFF SPEED FRAME RATE

### Blackmagic

LANC Control Cable	BLACKMAGIC URSA MINI 4K BLACKMAGIC URSA MINI 4.6K BLACKMAGIC URSA MINI PRO 4.6K G2 BLACKMAGIC URSA BROADCAST BLACKMAGIC CINEMA CAMERA 2.7K BLACKMAGIC CINEMA CAMERA 4K BLACKMAGIC MICRO STUDIO CAMERA 4K	REC   IRIS   AUTO IRIS   AUTO FOCUS   MANUAL FOCUS
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### Canon

LANC Control Cable	C700 PL C700 GSPL C300 MARK II C300 MARK II PL C300 MARK III C200 C200 B C100 C100 MARK II	REC   IRIS   FOCUS   DIGITAL ZOOM   DISPLAY   FUNCTION   JOYSTICK   PLAYBACK   MENU
TYPE-C(USB-C) Control Cable	EOS R	REC   IRIS   ISO   SHUTTER   SHOOTING   AUTO FOCUS   REAL-TIME PREVIEW   MANUAL FOCUS
MICRO USB Control Cable	1DX 1DX MARK II 5DS 5DS R 5D MARK IV	
MINI USB Control Cable	5D MARK III 5D MARK II 6D 6D MARK II 80D	

### Panasonic

TYPE-C(USB-C) Control Cable	S1 S5 G9 GH6 S1H S1R GH5II S5 II	TOUCH FOCUS   REC   ISO   IRIS   WB   AUTO FOCUS   FOCUS +/-   COLOR TEMPERATURE   SHUTTER   SHOOTING
	BGH1 BS1H	TOUCH FOCUS   Control the native menu

### TILTA

TILTA Nucleus N/M Control Cable	NUCLEUS - N NUCLEUS - M	CAL RUN   AB LIMIT
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### Z CAM

LANC Control Cable	E2 S6 (eND) E2 F6 (eND) E2	REC   IRIS   ISO   ZOOM   TOUCH FOCUS   SHUTTER(ANGLE/SPEED)   FRAME   MANUAL AUTO MODE SWITCHING   RESOLUTION   MANUAL FRAME   PLAYBACK   COLOR TEMPERATURE   FN   F1/F2/F3   MENU   OK BUTTON   UP/DOWN BUTTON   MANUAL FOCUS
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### REC Key

LANC Control Cable		WIRELESS RECORDING EXPANSION   CAMERA RECORDING
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