

2023 PRODUCT MANUAL



DEDICATED



PROFESSIONAL



EXTRAORDINARY

PortKeys

BM7 11DS

2200nit Wide Color Gamut
Wireless Camera Control Monitor



Custom 3D LUT



Wireless Camera Control



JPG Image Capture and Overlay



2200nit



Anamorphic



Factory Color Calibration



Wireless Touch Control Sony Cameras

Built-in Wireless Module, 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



Split Screen Monitoring

Two screens can load the same 3D LUT file, support dual horizontal/dual vertical/left horizontal and right vertical/left vertical and right horizontal/ left horizontal and right vertical cropping of the same source

Note: Left and right screens can be flipped individually and mirrored

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

Loading 3D LUTs for better picture quality and 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

Custom Rectangular Image Crop

Easily and clearly monitor the details of your images

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

Wired Control Tilta Nucleus-N/M Motors

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



PRODUCT INTRODUCTION

Basic Parameters

Screen Size	7"	Weight	460g
Color Gamut	85% P3	Maximum Power	15W
Resolution	1920x1080	Antenna	2.4G
Brightness	2200nit	Fan	Yes
Contrast Ratio	1000:1		
Dimension	179.3x106.8x31mm		
Viewing Angle	85/85 / 85 / 85		
Material	Aluminum Alloy		
Video Signal Input	3G SDI X 2, HDMI		
Video Signal Output	3G SDI, HDMI		
Signal Conversion	HDMI to SDI HD Output		
Camera Control Port	Motor Control / CAMERA REMOTE		
Input Voltage	7-24V		
USB-A	Upgrade Firmware /Load LUT		
Support Battery Model	SONY NP-F970/F960/F750/F550		
Power Input /Output	2 Pin LEMO/DC 5.5*2.1		
Audio Output	3.5mm Headphone Jack		

Software Function

Peaking	Zebra	False Color
Waveform(All)	Vector Scop	Luma Histogram
RGB Histogram	Luma Waveform	RGB Waveform
Audio Meters	HDR(HLG)	* 3D LUT
Time Code	Rectangle Crop	Image Capture
Image Overlay	Check Field	Guides
Cross Hair	Grids	Camera Recording
Dual Screen	Brightness	Contrast
Chroma	Sharpness	Tint
3D LUT SDI Output	Battery (Level) Display	Display Flip
Hardware Color Correction	Color Temperature	Custom RGB
Anamorphic	3D LUT HDMI Output	Custom Peak Area
Wireless Camera Control	ARRI False Color	HDMI to SDI Output
Fan Adjustable	Control Tilt Motor and Cursor Display	
1080p Refresh Rate Reduced to 1080i		
Waveform optional detection of 3D LUT data before and after loading		

* Monitor does not have 3D LUT storage, 3D LUT must be stored and loaded via USB stick

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
720x576p&720x576i@50Hz
720x480p&720x480i@50Hz,59.94Hz,60Hz

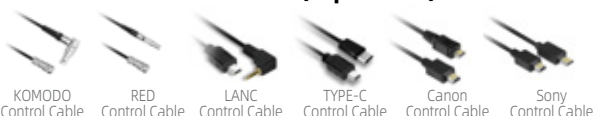
SDI Signal

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



Camera Control Cable (Optional)



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	F55 F57 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 A7R V RX0 A7M III	FOCUS TOUCH FOCUS REC IRIS ISO SHUTTER COLOR TEMPERATURE WB EV FOCUS AREAS SINGLE FOCUS EXPOSURE NODE REC IRIS ISO SHUTTER FOCUS WB EV FORMAT SHOOTING SINGLE FOCUS RECORDING

Blackmagic

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 PLAYBACK
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

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 BGH1 BS1H	REC ISO IRIS WB AUTO FOCUS FOCUS +/- COLOR TEMPERATURE SHUTTER SHOOTING
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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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