

2023 PRODUCT MANUAL



DEDICATED



PROFESSIONAL



EXTRAORDINARY

PortKeys

MT220S

Dual Screen Cinema
Production Monitor



3D LUT Output



Time Code



Anamorphic



Waveform Output



Folding Holder



Vesa Holder



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



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



Wireless Video Transmission Power Supply Plate

Supports NPF battery wireless video transmission and V-port battery wireless video transmission with 90°/180°/270° adjustment

Factory Color Calibration Before Shipment

X-rite 709 Color Gamut Automatic Color Calibration, One-Click Return To Accurate Color

CNC Aluminum Alloy All-metal Shell

With Fast Heat Dissipation and High Durability

1000nit High Brightness

Fearless of bright light, clearly visible in the sunshine

HDMI to SDI HD Output

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

PRODUCT INTRODUCTION



Basic Parameters

Screen Size	21.5"	Contrast Ratio	1000:1
Color Gamut	Rec.709	Weight	5.8kg
Resolution	1920x1080	Brightness	1000nit
Viewing Angle	80 / 80 / 80 / 70	Fan	Yes
Dimension	523.6x320.6x65.8mm	Maximum Power	60W
Material	Aluminum Alloy	Input Voltage	DC 12 ~24V

Software Function

New Peaking	* 3D LUT	Luma Waveform
RGB Waveform	Vector Scope	Luma Histogram
RGB Histogram	Audio Meters	Waveform (All)
Color Temperature	Waveform Quadrant Screen	Custom RGB
Zebra	Tint	Guides
Battery Voltage Detection	Cross Hair	Auto Color Calibration
False Color	HDR(HLG)	TALLY
Check Field	Underscan	Time Code
3G-SDI LEVEL B Mode	GPI-Customize	Grids
Contrast	Touch Key	ARRI False Color
Chroma	Brightness	Sharpness
HDMI and SDI Convert	Rectangle Crop	Backlight
Anamorphic	3D LUT Output	48V Phantom Audio Embedded SDI Output
Semi-transparent Superimposed JPG Freeze Frame Image		
Display Flip	Image Reversal	Menu Flip
Image Capture	Dual Screen 90° Rotation	Dual Screen Image Mirroring
Double Screen Cropping	Third-party JPG Image Loading	
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
 720x576i & 720x576p@50Hz
 720x480p & 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
 720x480i@59.94Hz YUV422
 720x576i@50Hz YUV422

Adaptable Battery Plate

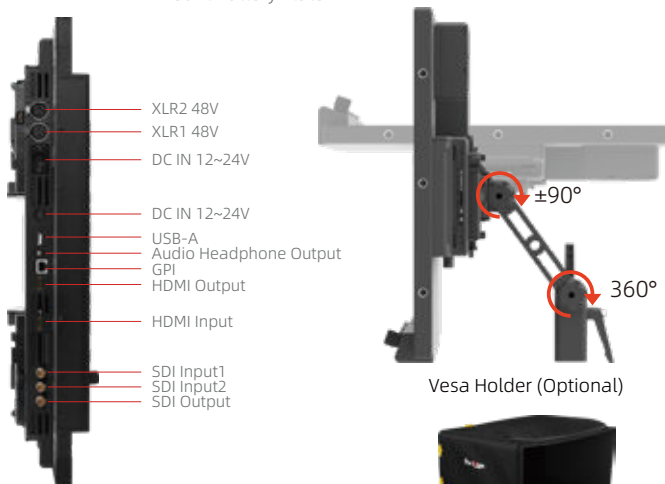
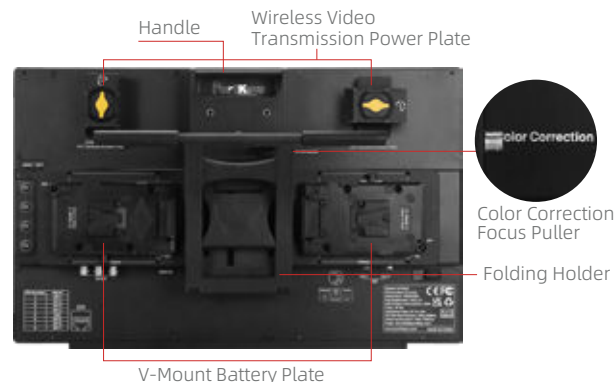
V mount Plate	Sony V Port
AB Mount Plate	Anton Bauer Port
IDX Plate	Sony V Port / Anton Bauer Port

Packing List



Interface

Video Input/Output	Input Interface: 3G SDI X 2, GPI, HDMI Output Interface: 3G SDI, HDMI
Signal Conversion	HDMI IN to SDI OUT, SDI IN to HDMI OUT, Waveform OUT, 3D LUT OUT
USB-A	Upgrade Firmware, Load LUT, Freeze-frame JPG Image Loading, Third-party JPG Image Loading, JPG Instruction Manual Loading
Audio Input/Output	Input Interface: XLR 1, XLR 2 Output Interface: 3.5mm Headphone Jack
Power Input / Output	Input Interface: 4 Pin XLR 12~24V Output Interface: USB 5V, Wireless Video Transmission Power Supply Plate
Auto Color Calibration	Color Correction Focus Puller



Vesa Holder (Optional)



Sunshade (Optional)