RW2000HD
20" Seperable Style LCD Monitor

IPS (In-Plane Switching) hard-screen technology.
Panel is the core of LCD monitor, its process technology determines more than 60% quality of LCD monitor.
IPS hard-screen technology is the world's most advanced LCD technology. Compared with the traditional soft-screen LCD, it has faster response time and and more fluent moving pictures.. About traditional soft-screen LCD panel, when view it from the side angle, the color drift phenomenon will emerge. As the IPS screen has a unique structure at the molecular level conversion, therefore, it can reach 178 degrees vertical and horizontal viewing angle, which basically eliminate the "dead angle" visually. Meanwhile, there will not exist the color drift phenomenon like soft-screen LCD, the pictures can be seen clearly even view it from the side angle.
As the most accurate color reproduction display technology till now, IPS hard screen has super high contrast and black-purity, which suitable for subtle display requirements on ultra-high gray.
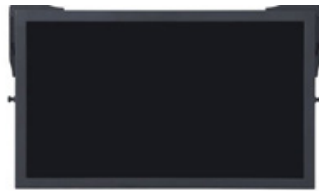
1. Uniqueness:

2. Portability:

3. Security:

4. Compatibility:

5. Flexibility:

Split type design
Apart the display (LCD panel) from video & audio processing and master control system, minimize the heat of monitor and make its performance more stable.

More portable
Split type design, minimize the size and weight of monitor to make it more portable.

AV-HDA

Easily For Maintenance
If a failure appears, just need to inspect, repair or replace the components built in the bottom case, rather than disassembling the whole unit, which will reduce maintenance costs definitely.
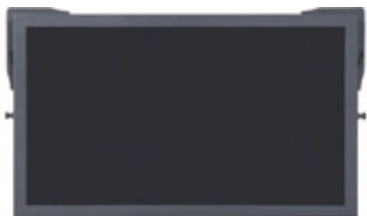
Screen protective angle   Knob   USD Head phone jack   integrate heat dissipation board

More compatible
Choose "video & audio controllers" with different functions according to the application requirements at current stage. We just need to buy corresponding "video & audio controller" instead of LCD panel if we want to upgrade the monitor, which will greatly reduce users' purchasing cost.

Screen Protector
To prevent the LCD screen from being scratched or impacted, the innovative designed separate protector is only 300g, made of the special material with characteristics of good optical transparency, high resistance to impact, and with excellent thermal stability, creep resistance, cold resistance, electrical insulation and flame resistance. Installation and removal is simple. Not only can effectively protect the LCD screen from being impacted, you can also make it as a transparent drawing board to help the producer to preset the position when shooting the advertisement etc.

Extensible Sunhood
It is sepecially designed for RS1850HD. This designed is based on iTechLCD previous sunhood technology,and fully considered the strong light inteference to the monitor in outdoor shooting. The secondary extension design of the sunhood could solve the strong light intefering problem.

Video/audio signal auxiliary detect function
In order to get accurate luminance and chroma information, RW2000HD internally installed high sampling rate brightness waveform, RGB waveform and vector scope. It display the real-time luminance and chroma, which work as photographer's and technician's reference tool to guarantee the record video information within standard luminance range.

Specification:

Screen Size	20"
Resolution	1600（H）×900（V）
Dot Pitch	0.2766（H）×0.2766（V）mm
Aspect Ratio	16:9 / 4:3 Switchable
Brightness	300cd/m²
Contrast	1000:1
Response Time	8 ms
Viewing Angle	H 178° / V 178°
Voltage Input	DC12V
Voltage Range	DC 6~36V
Power Consumption	≤30W
Installation	Desktop or VESA mount
Monitor Size	Display Unit: L 498mm × H 290mm × D 41mm
	Controller: L 522 mm × H 53.3 mm × D 165.5 mm
	Size : L 522 mm × H 339.5 mm × D 165.5 mm
Total Weight	≤7.5kg

Inputs & Functions:

Model Function		RW2000HD	Remark
Video input	Composite	●	BNC×1 line
	SD-SDI	●	BNC×2 line Brightness waveform RGB waveform Vectorscope HV-DELAY
	HD-SDI	●	BNC×2 line Brightness waveform RGB waveform Vectorscope HV-DELAY
	VGA	●	D-SUB15×1 line
	HDMI	●	HDMI×1 line
Audio Input		●	RCA×1 line（stereo）
Auido montioring		●	Speaker 2×5W（8Ω） Earphone : 3.5mm Standard Interface
SDI embedded Audio		●	PPM / UV
Video output	Composite	●	BNC×1 line
	SD-SDI	●	BNC×1 line
	HD-SDI	●	BNC×1 line
TALLY		●	red/green two colors
Desktop stand		●	
VESA mount size		●	100×100 mm

Analog Input Spec:

Input Signal	Signal Spec.	Signal System	Standard	RW2000HD
Composite（CVBS）	480/60p	NTSC	ITU-R BT.601	●
	576/50i	PAL	ITU-R BT.601	●
VGA	640*480/60p	VGA	VESA	●
	800*600/60p	SVGA	VESA	●
	1024*768/60p	XGA	VESA	●
	1280*768/60p	WXGA	VESA	●
	1280*800/60p	WXGA	VESA	●
	1280*1024/60p	SXGA	VESA	●
	1440*1050/60p	SXGA+	VESA	●
	1680*1050/60p	WSXGA	VESA	●
	1600*1200/60p	UXGA	VESA	●
	1920*1200/60p	WUXGA	VESA	●

HDMI Input Spec:

Signal Spec.	Interface sampling frequency (MHZ)	Standard	RW2000HD
640*480/60p	25.200	CEA-861	●
720*480/60i	27.027	CEA-861	●
720*480/60p	27.027	CEA-861	●
720*576/50i	27.000	CEA-861	●
720*576/50p	27.000	CEA-861	●
1280*720/50p	74.250	CEA-861	●
1280*720/60p	74.250	CEA-861	●
1920*1080/50i	74.250	CEA-861	●
1920*1080/60i	74.250	CEA-861	●
1920*1080/24p	74.250	CEA-861	●
1920*1080/25p	74.250	CEA-861	●
1920*1080/30p	74.250	CEA-861	●
1920*1080/50p	148.50	CEA-861	●
1920*1080/60p	148.50	CEA-861	●

SDI Input Spec:

SMPT Signal Standard	Signal Spec.	RW2000HD
425M-A/B(3G)	1920*1080/50p	
	1920*1080/60p	
274M(HD)	1920*1080/60i	●
	1920*1080/50i	●
	1920*1080/30p	●
	1920*1080/25p	●
	1920*1080/24p	●
	1920*1080/30PsF	●
	1920*1080/24PsF	●
296M(HD)	1280*720/60p	●
	1280*720/50p	●
	1280*720/30p	●
	1280*720/25p	●
	1280*720/24p	●
125M(SD)	480/59.94i	●
ITU-R-BT656	576/50i	●

RW2000HD Functions Table:

Signal Function	SDI1	SDI2	HDMI	COMPOSITE (CVBS)	VGA
Brightness waveform	●	●			
RGB waveform	●	●			
Vectorscope	●	●			
HV-DELAY	●	●			
Marks : Safety mark，Center mark，Title frame	●	●	●	●	●
Scaling ：16:9，4:3，LETTER BOX，Built-in scan，Overscan	●	●	●	●	●
Pixel to Pixel	●	●	●	●	●
Color temperature 9300/6500 , adjustable	●	●	●	●	●
8 channels audio meter display	●	●			
UMD function	●	●	●	●	●
Red/Green two colors TALLY display	● (Soft TALLY)	● (Soft TALLY)	● (Soft TALLY)	● (Soft TALLY)	● (Soft TALLY)
Timecode	●	●			
Peaking （peaking level，edge color，edge width adjustable）	●	●	●	●	●
False color	●	●	●	●	●
Battery checking	●	●	●	●	●
Backlight control					
Monochrome （BLUE ONLY）	●	●	●	●	●

Mechanical Drawing:

(MM)