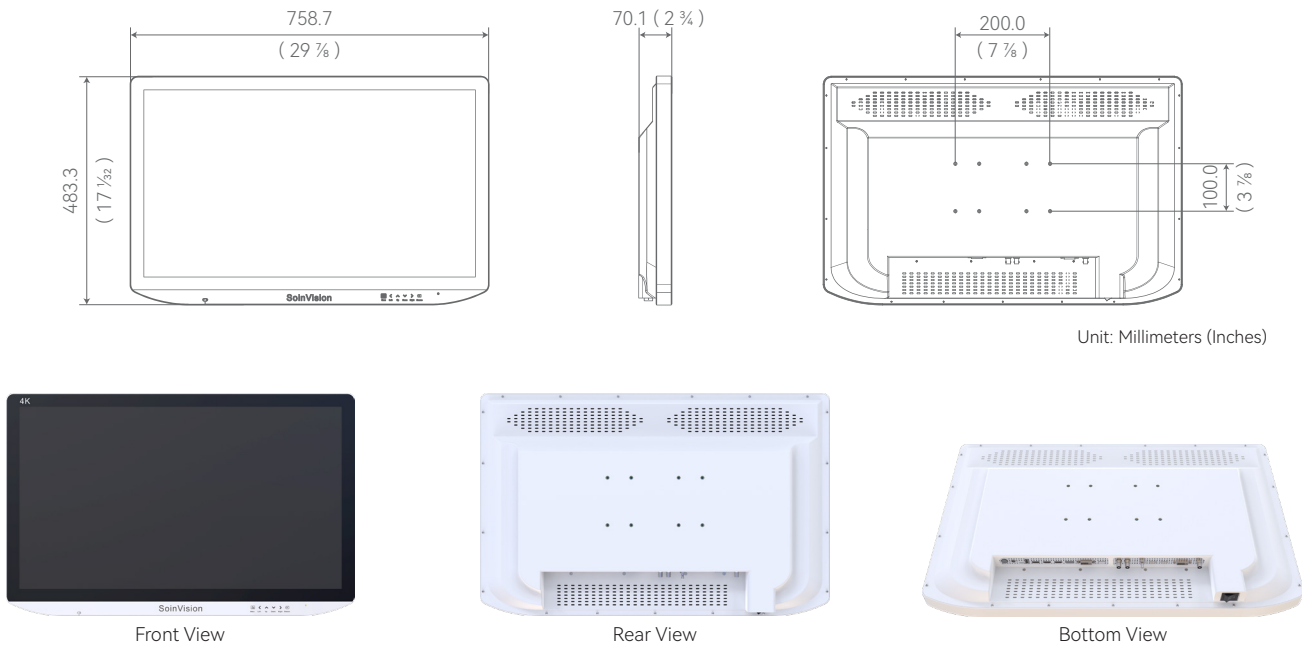


TECHNICAL SPECIFICATIONS

Imaging Performance	
Panel	IPS LCD Panel
Screen Size (Diagonal)	812mm (32 inch)
Active Display Area (H×V)	697.3 (H) ×392.2 (V) (W/H) 32inch
Pixel Pitch	0.18159×0.18159mm
Resolution (H×V)	3840×2160 (4K UHD)
Aspect Ratio	16:9
Active Pixels	99.99%
Backlight	LED
Brightness	1200cd/m²(Max)
Contrast Ratio	1000:1
Color Depth	1.07 billion colors
Viewing Angle	89°89°89°89° (Typical) (Up/Down/Left/Right)
Gamma Settings	1.8、1.9、2.0、2.1、2.2、2.3、2.4、2.5、2.6、LINEAR、DICOM、HLG
Input	
HDMI IN	HDMI (×2)
DVI IN	DVI (×1)
DP IN	DP (×1)
SDI IN	12G-SDI/3G-SDI/HD IN (×1)
DC IN	DC 24V

Output	
HDMI OUT	HDMI(Loop Out) ×1, HDMI (Clone Out) ×1 ,
SDI OUT	12G-SDI/3G-SDI/HD(Loop Out)
DC OUT	DC5V (×1)
	DC12V (×1)
General Information	
Power Requirements	DC Input: 24V, 7A (via AC adapter)
Power Consumption	Approx. 100W (Max.)
Operating Temperature	0°C to 35°C (32°F to 95°F)
Operating Humidity	30% to 85% (Non-condensing)
Storage/Transport Temperature	-20°C~+60°C; -4°F~+140°F
Storage/Transport Humidity	20% to 90%
Operating / Storage / Transport Pressure	700hPa to 1060hPa
Size	758×483×70mm
Weight	Approx×12.5 kg (without stand)
Mounting	100×100mm, 100×200mm VESA
Accessories	AC Power Cord (×1), HDMI Signal Cable (×1), BNC Signal Cable (×1), Adapter (×1)
	Power Adapter (×1)

SIZE



SOINVISION BY DAJING MEDICAL

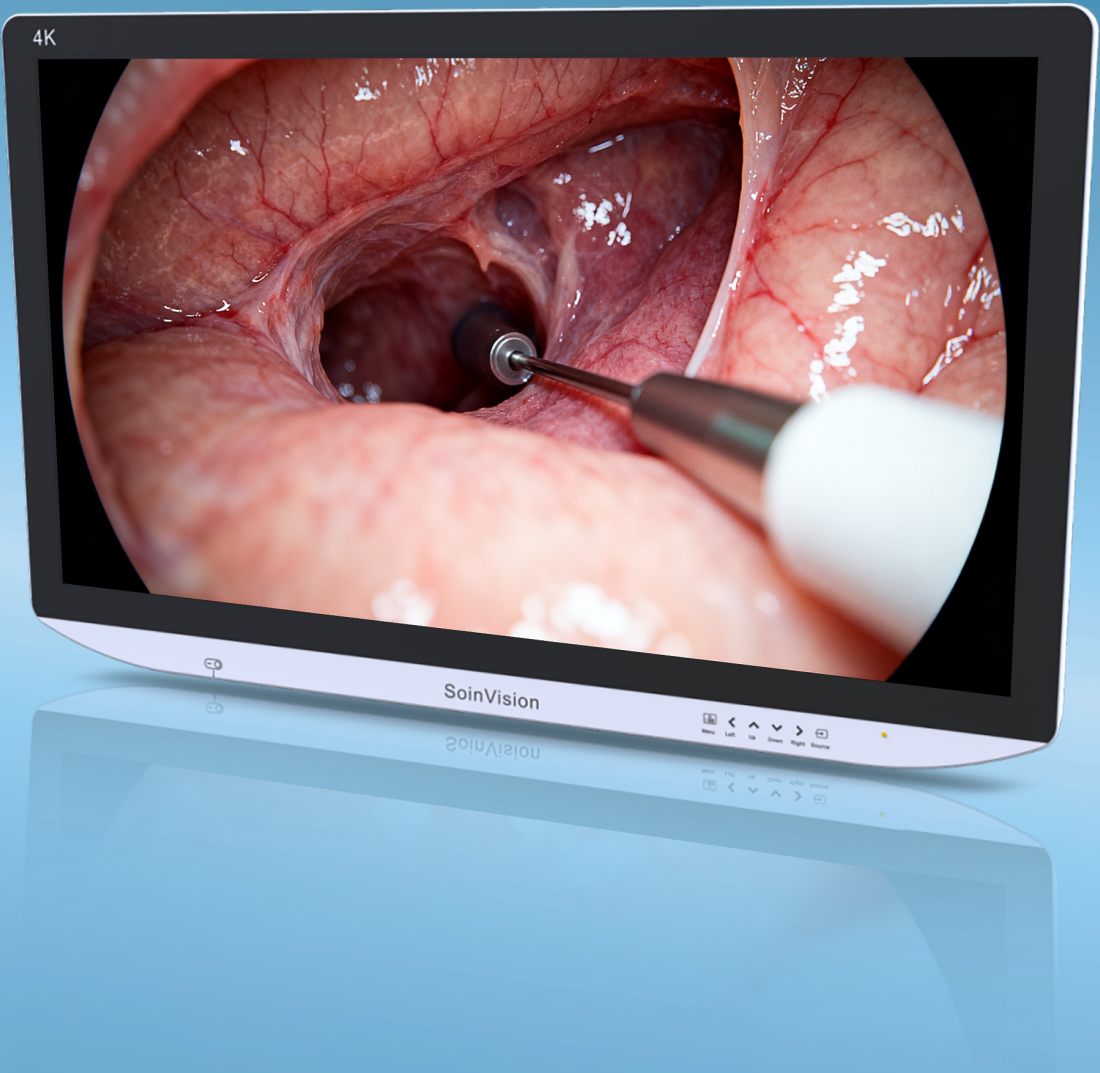
High-End Medical Display Brand, Empowering Accurate Diagnosis

Website: www.dajingmedical.com
Email: info@dajingmed.com

* Product specifications are continuously optimized and upgraded.
Appearance and parameters are subject to change without prior notice.
All information is for reference only; the actual product shall prevail.

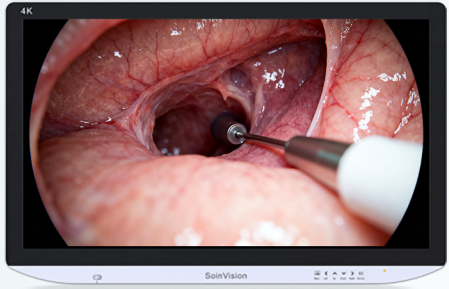
Tel: +86 189 7471 5200
Address: No.1 Yanming Road, Hengshan Scientific Town,
High-tech Zone, Hengyang City, Hunan Province

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U320PRO
Medical LCD Display





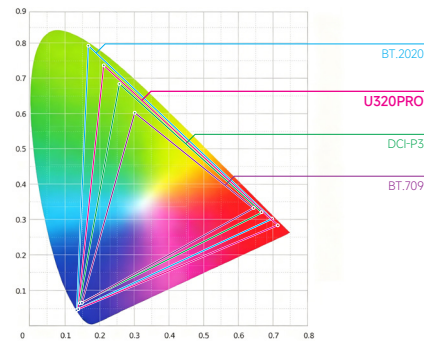
Powerful & stylish User-Friendly 32-inch 4K Medical Display

The Soinvision U320PRO 32 inch 4K Medical LCD display delivers high quality 4K color images with an ergonomic, user-friendly design optimized for clinical environments. An ideal display solution for operating rooms, surgical centers, and healthcare facilities.

SUPERIOR IMAGE QUALITY

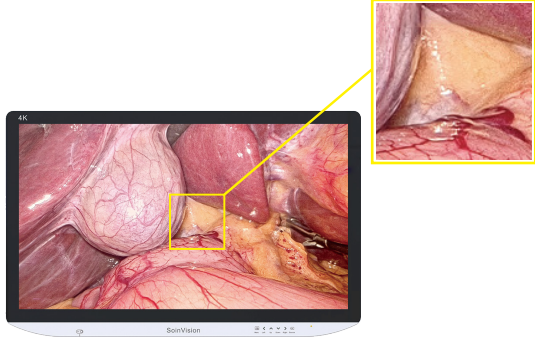
Wide Color Gamut for True-to-Life Visualization

Soinvision U320PRO fully supports the BT.2020 color standard, delivering a much wider color gamut than BT.709. With accurate reproduction of up to 1.07 billion colors, it provides more natural tissue and anatomical visualization, helping reduce clinical misjudgment caused by color deviation.



4K Resolution Enhancement

Supports intelligent upscaling of low-resolution input signals to 4K Ultra HD, delivering images with four times the pixels of Full HD. This ensures sharper, more natural visuals, allowing even the finest surgical details to be clearly visible.



High-Standard Image Performance

Equipped with an LED backlight, the Display delivers 1200 cd/m² brightness and a contrast ratio of ≥1000:1. Its 178° wide viewing angle ensures clear visibility from multiple positions, supporting efficient collaboration in the operating room.



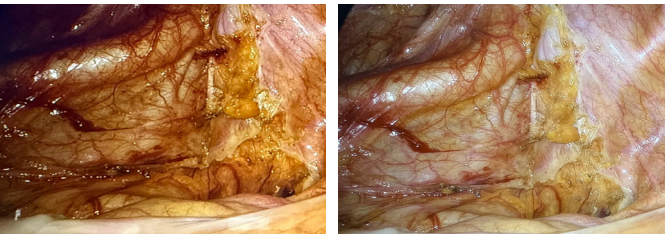
Multi-Mode Gamma Adjustment

Supports gamma settings from 1.8 to 2.6, including LINEAR, DICOM, and HLG modes, for precise adaptation to different medical imaging and surgical requirements.



Enhanced Clarity in Bright & Dark Areas

HDR technology delivers a wider dynamic range for clearer and more detailed images. It reduces detail loss in both bright and dark areas, while HLG signal support restores more image details for enhanced surgical visualization.

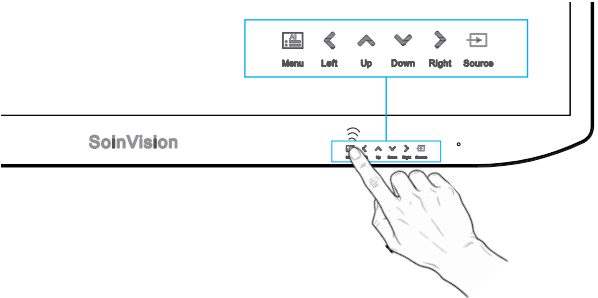


SDR

HDR

Intuitive & Efficient Operation

Features an intuitive control panel with audible feedback for easy operation. The simplified button layout allows quick and accurate control, even in low-light operating room environments.

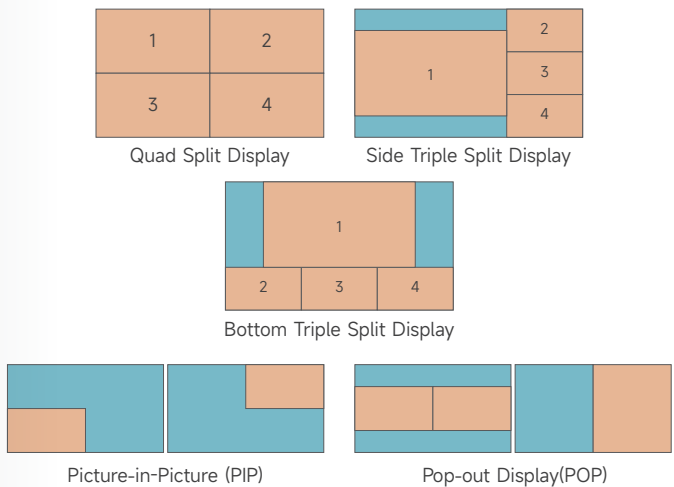


ADVANCED USER-FRIENDLY FEATURES

Multi-View Display

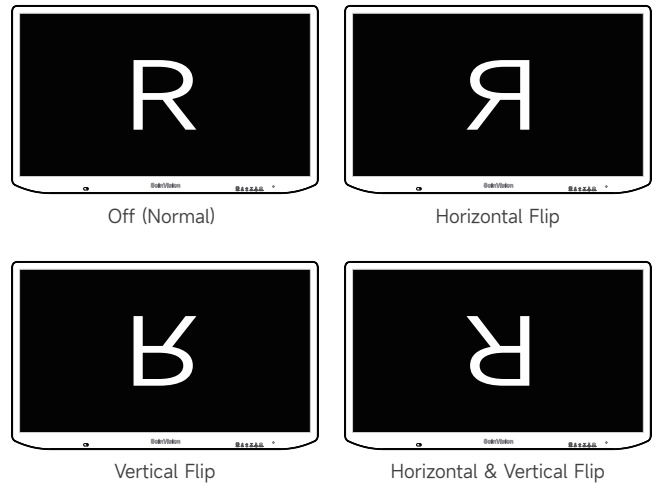
(PIP / POP / Quad Split Display / Side Triple Split Display / Bottom Triple Split Display)

The U320PRO supports multiple display modes, enabling simultaneous viewing of different input sources on one screen. Each image can be independently adjusted for gamma and color gamut to meet various clinical imaging needs.



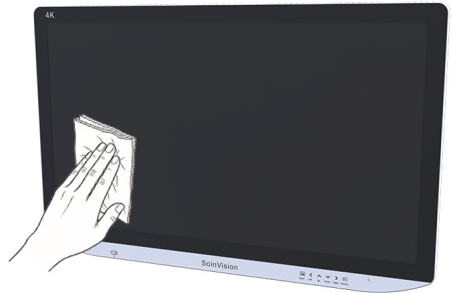
Ideal Viewing Orientation

Supports vertical, horizontal, and combined image flip modes, ensuring optimal viewing regardless of endoscope orientation during procedures.



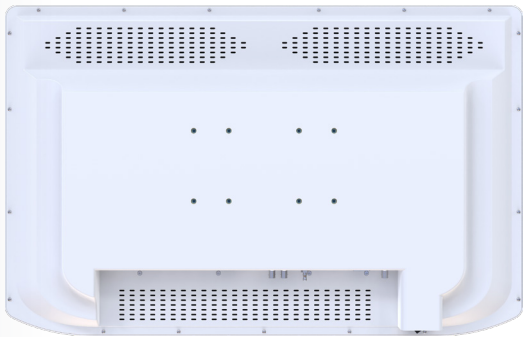
Professional Medical Design

Featuring a narrow bezel and rounded corner design, the U320PRO integrates seamlessly into operating room environments. With an IP65-rated front panel and IP32-rated overall protection, it offers reliable resistance to dust and water splashes for medical applications.



MULTIPLE INTERFACES COMPATIBLE WITH DIFFERENT DEVICES

The Soinvision U320PRO features multiple input and output interfaces for seamless integration with medical systems, including 12G-SDI, HDMI, DVI, and DP. It supports loop-out and HDMI clone output, supports multi-screen synchronization and long-distance transmission from a single source, enabling seamless multi-display applications. And provides external power supply options, including DC 12V/2A and USB-C 5V/2A ports, supporting connected devices and signal conversion needs.



- | | | |
|----------------|--------------------|------------------------|
| 1. DC24V (IN) | 5. HDMI (IN) | 9. DVI (IN) |
| 2. DC12V (OUT) | 6. HDMI (IN) | 10. HDMI (Clone out) |
| 3. DC5V (OUT) | 7. HDMI (Loop out) | 11. 12G-SDI (IN) |
| 4. USB | 8. DP (IN) | 12. 12G-SDI (Loop out) |
| | | 13. EQP GND |

