

NuBOOM M4

Visualization & Equipment Management System

NuBOOM®

Technical Specifications

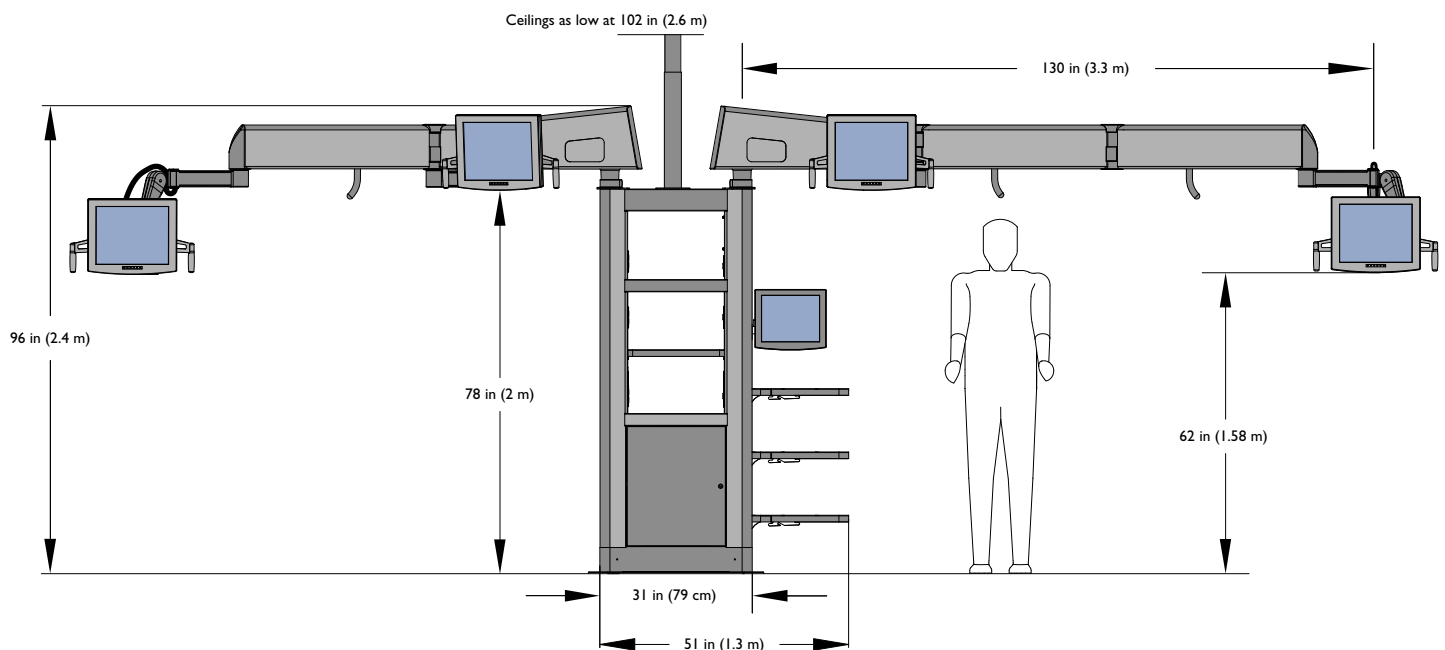
A complete visualization and equipment management system designed to cost-effectively add minimally invasive surgery (MIS) capabilities in hospitals, surgery centers and medical training facilities. NuBOOM includes the DOCS® Digital Operating Control System, a state-of-the-art visual integration system designed specifically for the surgical environment that provides surgeons, nurses and staff with optimum visual and routing control capability.

General

- Two positionable booms support 4 display monitors
- Articulating boom arms surround up to a 360° surgical area
- Accommodates multiple monitor viewing from a variety of angles; Booms and arms retract for open surgeries
- Available with HD-SDI (High Definition Serial Digital Interface) input and HD display monitor configurations
- Optional wall displays
- Optional touch panel locations
- Upgradable and relocatable

Features

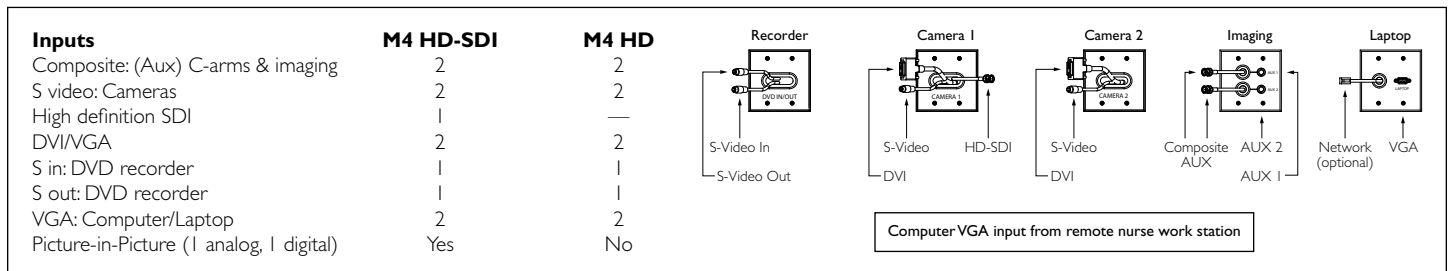
Equipment Storage	M4 HD-SDI	M4 HD	Environmental	M4 HD-SDI	M4 HD
Cabinet bays, 20"(W) x 25"(D) x up to 14"(H)	3	3	Operating temperature: DOCS electronics package	0° to +50° C	0° to +50° C
External shelves, 20"(W) x 20"(D)	3	3	Display monitors	Refer to manufacturer's specifications	
Physical					
Height (to top of boom arm)	96" (2.4 m)	96" (2.4 m)	Regulatory, Certifications & Standards		
Weight (assembled)	921 lbs. (418 kg)	913 lbs. (414 kg)	FDA Class I medical device		
Boom length: 3-segment arm, fully extended	130" (3.3 m)	130" (3.3 m)	Complies with relevant sections of IEC/EN 60950-1, 60601		
Ceiling height clearance (lowest)	102" (2.6 m)	102" (2.6 m)	CE marked according to the European Medical Device Directive		
Lowest monitor height clearance	62" (158 cm)	62" (158 cm)	GSA FSS Contract #V797P-4969a		
Lowest boom height clearance	78" (198 cm)	78" (198 cm)	OSHPD OPA 0860		
AC Power Inputs					
Standard power outlets	22	22	Optional Accessories		
Maximum power outlets (Up to 2-20 Amp circuits for hospital use)	36	36	Remote auxiliary inputs		
			Additional external shelves (up to 8 total)		
			Foot pedal basket		
			CO2 cylinder basket		
			IV hook posts and hooks		
			iPod® docking station		
			Suction cannister holder		



DOCS® Digital Operating Control System

A scalable, upgradable and open architecture touch panel routing system, designed to work with existing equipment as a simple and intuitive medical visual control system.

Control System	M4 HD-SDI	M4 HD	Features
DOCS electronics package, touch screen panel, diagonal	15"	15"	Icon-driven interface Open Architecture Integrates with existing equipment
Video Formats	480p, 720p, 1080i/p (Camera signal dependent)	480p, 720p, 1080i/p	Supports up to 6 different inputs Supports up to 5 displays Preview Window
Display Monitors	— 4	4 —	Options Additional display monitors Anesthesia display monitor Large (40" or higher) wall-mounted display Boom arm end video connections Digital capture (supported) Digital print (supported) IT network connectivity Remote touch panel at nurse work station
Input Types	HD-SDI, RGB, VGA, S-Video, Composite, DVI-I	RGB, VGA, S-Video, Composite, DVI-I	
DOCS Power			
120VAC, 10a, 50-60 Hz	Yes	Yes	
Operating Temperature	0° to +50° C	0° to +50° C	



Routes all diagnostic, PACS, EMR and surgical video signals up to 1080i/p.



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