

# NuBOOM M2

## Visualization & Equipment Management System

# NuBOOM<sup>®</sup>

## Technical Specifications

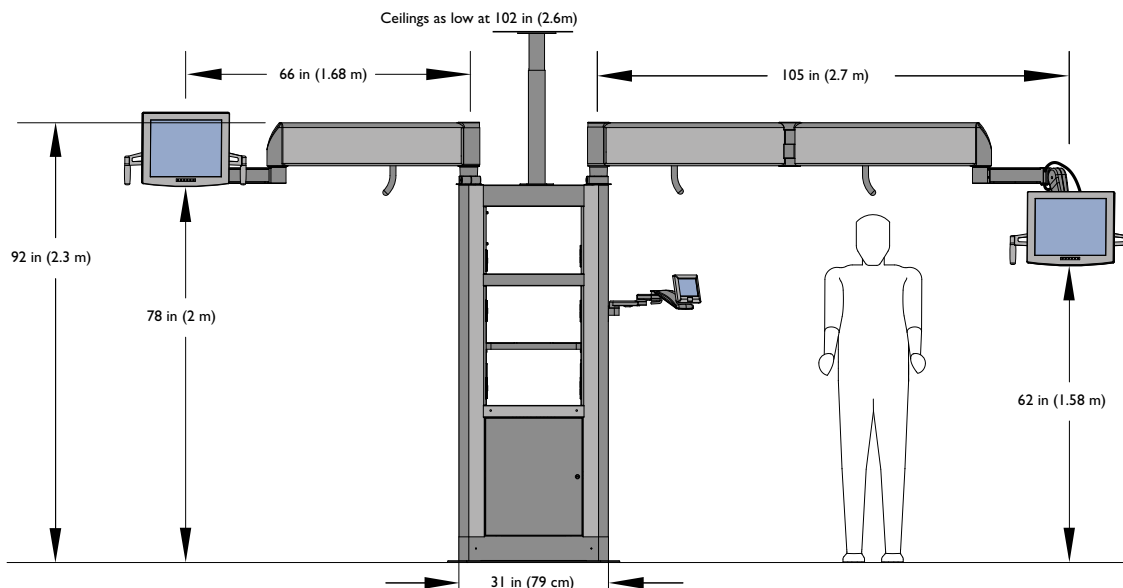
A compact, complete visualization and equipment management system designed to cost-effectively add minimally invasive surgery (MIS) capabilities in hospital, operating and procedure rooms, and surgery centers. NuBOOM includes the DOCS<sup>®</sup> Digital Operating Control System, a state-of-the-art visual 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 2 display monitors
- Articulating boom arms position monitors around the surgical field
- Accommodates a variety of ergonomic viewing angles; Booms and arms retract for open surgeries
- Available with HD-SDI (High Definition Serial Digital Interface) input and HD display monitor configurations
- Optional control touch panel locations
- Fully upgradable and relocatable

### Features

Equipment Storage	M2 HD-SDI	M2 HD	Environmental	M2 HD-SDI	M2 HD
Cabinet bays, 20"(W) x 25"(D) x up to 14"(H)	3	3	Operating temperature: DOCS electronics package Display monitors	0° to +50° C	0° to +50° C
<b>Physical</b>			<b>Regulatory, Certifications &amp; Standards</b>	Refer to manufacturer's specifications	
Height (to top of boom arm)	96" (2.4 m)	96" (2.4 m)	FDA Class I medical device		
Weight (assembled)	758 lbs. (344 kg)	754 lbs. (342 kg)	Complies with relevant sections of IEC/EN 60950-1, 60601		
Boom length:			CE marked according to the European Medical Device Directive		
2-segment arm, fully extended	105" (2.7 m)	105" (2.7 m)	GSA FSS Contract #V797P-4969a		
1-segment arm, fully extended	66" (1.68 m)	66" (1.68 m)	OSHPD OPA 0860		
Ceiling height clearance (lowest)	102" (2.6 m)	102" (2.6 m)	<b>Optional Accessories</b>		
Lowest monitor height clearance	62" (1.58 m)	62" (1.58 m)	Remote auxiliary inputs		
Lowest boom height clearance	78" (1.98 m)	78" (1.98 m)	External shelves (up to 8 total)		
<b>AC Power Inputs</b>			Foot pedal basket		
Standard power outlets	14	14	CO2 cylinder basket		
Maximum power outlets (Up to 2-20 Amp circuits for hospital use)	36	36	IV hook posts and hooks		
			iPod <sup>®</sup> docking station		
			Suction canister 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	M2 HD-SDI	M2 HD	Features
DOCS electronics package, touch screen panel, diagonal	7"	7"	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 4 simultaneous inputs Supports 2 displays
Display Monitors	— 2	2 —	<b>Options</b> Boom arm end video connections Digital capture (supported) Digital print (supported) IT network connectivity Remote touch panel at nurse work station Fully upgradable to NuBOOM M4 (4 display monitor) System
Input Types	HD-SDI, RGB, VGA, S-Video, Composite, DVI-I	RGB, VGA, S-Video, Composite, DVI-I	
DOCS Power	Yes	Yes	
120VAC, 10a, 50-60 Hz Operating Temperature	0° to +50° C	0° to +50° C	

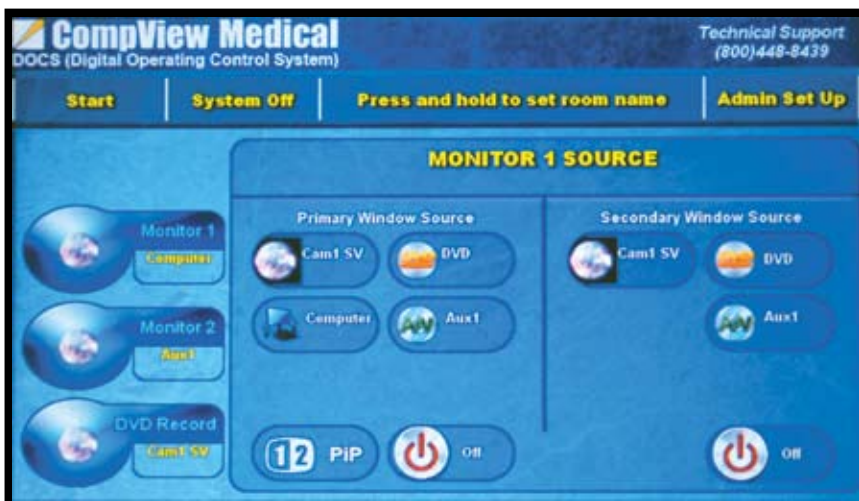
Inputs	M2 HD-SDI	M2 HD
Composite: (Aux) C-arms & imaging		
S video: Cameras		
High definition SDI		—
DVI/VGA		
S in: DVD recorder		
S out: DVD recorder		
VGA: Computer/Laptop		
Picture-in-Picture (1 analog, 1 digital)	Yes	No

Recorder

Camera 1

Imaging

Computer/VGA input from remote nurse work station



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

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