



HDMD™ All-in-One

Compact and Integrated High-Definition Digital Recording System
for Ophthalmology and Neurosurgery / ENT

Living up to Life

Leica
MICROSYSTEMS

HD Recording – Compact and Integrated

Leica Microsystems exclusively offers the Med X Change HDMD™ All-in-One high-definition (HD) digital recording system for surgical microscope applications with the following benefits.

Record your surgical cases in high-definition

The HDMD™ All-in-One HD recording system is less than 76 mm (3 inches) deep and integrates into the floor stand of the surgical microscope, allowing easy and at hand positioning in the Operating Room. The system captures 16:9 widescreen HD video and still images simultaneously and has a storage capacity of approximately 50 hours of HD video. The recorded files can be easily edited with Windows® and Mac® software and used to present at meetings, document cases, and keep records. All functions are controlled via monitor, keyboard/mouse, or microscope foot switch.

Wireless transfer of high-quality HD videos and still images of surgical cases to the Apple® iPhone™ or iPod™ touch

Med X Mobile, available at the Apple® App Store, allows surgeons to wirelessly transfer surgical videos and stills directly from the Med X Change HDMD™ recording unit to the Apple® device immediately upon procedure completion. This technology offers surgeons and staff yet another method to transport and view stunning, high-quality content.



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HD-Recording System and Monitor: Med X Change HDMD™ All-in-One	
Monitor	Med X Change HD-LCD Monitor, 19 inch
Processor	PC Intel Pentium Core II Duo
Storage	320GB Hard Drive
Memory	4GB DDR2 RAM
Burner	8 dual layer DVD-R / CD-R/RW (CD/DVD/USB/Network Storage Device)
High-definition video connections	1 × HDMD (Input), 1 × HDMI (Output)
Standard definition video connections	1 × S-Video (Input), 2 × Composite (Input)
Video compression	MPEG-4 WMVHD file format (1280 × 720p or 1024 × 720p)
Still images	BMP (uncompressed), JPEG (compressed)
Dual monitor outputs	For connecting two monitors
Post production	Editing with Windows® and Mac® software
DICOM Ready (optional)	Still image and video transfer

HD-Camera System: Panasonic GP US932 Series	
Video format	1080p, 1080i, 720p, 480p, 480i, 50Hz supported
Pick-up device	Three 1/3"-type progressive CCDs
Analog video output	Y Pb Pr, RGB (HD or SD selectable), S-Video
Digital video output	HDMI
Lens mount	C-Mount

Compatibility with Operating Microscopes	
Ophthalmology	Leica M844 F40, Leica M820 F40
Neurosurgery / ENT	Leica M525 F40

Conformity	
<ul style="list-style-type: none"> Medical Devices Directive 93/42/EEC Classification: Class 1, in compliance with Appendix IX, Rule 1, with reference to Rule 12 of the Directive. Medical electrical devices, Part 1: General Requirements for Safety IEC 60601-1; EN 60601-1; UL 60601-1; CAN/CSA-C22.2 NO. 601.1-M90 Electromagnetic compatibility IEC 60601-1-2; EN 60601-1-2 	
Leica Microsystems (Schweiz) AG holds the management system certificates for the international standards ISO 9001 / ISO 13485 and ISO 14001 relating to quality management, quality assurance and environmental management.	

