

HDTV Medical Imaging System



With the advent of HDTV in the consumer space, surgeons are now demanding the same image quality for minimally invasive procedures. The pixel resolution and color contrast of full HD gives sporting events almost a three dimensional visualization effect. Technology has kept pace in the medical field, and a number of Endoscopy companies are now offering an HD camera solution.

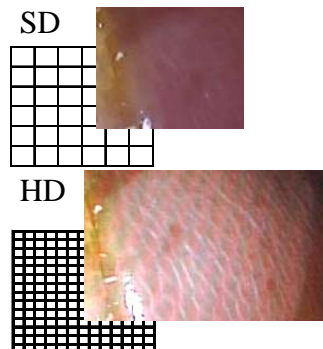
Viking has such a solution available as an OEM product, and our ODM business model allows you to rapidly provide a customized HD solution to your customers with no development risk.

Features

- True HD image capture from 3 chip sensor with 16:9 aspect ratio for wide surgical view
- High resolution output with 1080p option
- Optical zoom coupler integrated to camera head for enhancing image detail
- Compact head design with soft mount feature for longevity
- All digital design for reliable operation

HD Difference

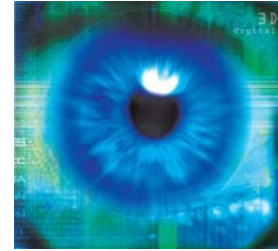
Higher resolution
Increased color contrast



Partner with Viking for

- ◆ Expertise in visualization solutions for minimally invasive surgery
- ◆ ISO 13485 certifications with strong quality systems
- ◆ ODM business model that speeds time to market and lowers cost

RESPONSIVE partner building RELIABLE products, focused on developing strong RELATIONSHIPS for mutual success.



HD Specifications

General	
Use Environment	Designed to be used in operating rooms of hospitals, out-patient surgery centers or office based operating suites
Standards	EN 60601-1; EN 60601-1-1; EN60601-2-18; EN60601-1-2 (2001)
Sealing	IP 20 on CCU and IPX7 (watertight) on Head
Warranty	12 months from delivery to end user subject to a maximum of 15 months from delivery by Viking
CCU	
Physical	12" (W) x 3.5" (H) x 12" (L) [30.5 x 8.9 x 30.5 cm] Weight 9.5 lbs. (4.3 Kg)
Material	Sheet metal enclosure to OEM specification
Interface	Power switch and bezel with buttons for functions defined by OEM. On screen menu control; six pre configured settings
Outputs	HD-SDI: 720p, 1080i with 16:9 ratio. Optional 1080p s-video output is SD mode with 720 x 480 optional squeezed / cut off mode
Controls	2 x remote output to printer, DVD or other peripheral, optional network interface for integration into OR system
Head	
Physical	Dimension and weight depends on lens coupling methodology. Approximately 3.5" overall length with "C" mount option
Controls	Two buttons mounted on camera head; functions dependent on OEM definition, one push or push-and-hold operation
CCD	High sensitivity 1/3"CCD x 3; 16:9 native format

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