



# Looking Glass<sup>®</sup> System

4K INTEGRATED VISUALIZATION SYSTEM

Imaging Surgeons Want,  
Durability Facilities Need.



CAMERA HEAD



4K UHD MONITOR



ELUMA<sup>™</sup>



Looking Glass<sup>®</sup> System includes  
technology that helps you see today,  
and durability that helps you  
see tomorrow.

## Looking Glass® Monitor

# The Picture of Performance

### 4K Ultra-High Definition (UHD) Image Quality

The Looking Glass® 4K Integrated Visualization System is designed to provide brilliant surgical visualization intended to help surgeons improve their ability to treat their patients. Ultra High Definition 4K 3-Chip CMOS camera technology combined with a LED 32" monitor provides a brilliant 10 bit color display with 4x the resolution of HD enabling visualization of vascular structures, soft tissue & cartilage intersections, ligaments, and fissure tears that could be easily missed with insufficient visibility.

This allows for quicker identification of trauma to anatomical structures and dissection of tissue — because the better you can see, the better care you can provide for your patients.

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Looking Glass® 4K Integrated Visualization System    AV4132

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## 4K Integrated Visualization System

# eLuma™ Electronic Light Guide

### A Bright Future with the eLuma™ Electronic Light Guide (ELG)

Say goodbye to fragile fiber optic cables that degrade with handling over time. To help optimize your visualization, the eLuma™ ELG puts the light source directly where you need it — at the scope. The eLuma™ ELG is a reliable, lightweight cable delivering natural lighting for a realistic color reproduction by achieving consistent and reliable light output throughout their lifetime. eLuma™ ELG combines a traditional light source and light cable into one integrated design.

This product not only saves valuable space in the OR, it's designed to reduce cost of ownership when compared to traditional light sources and fiber optic light guides.

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eLuma™ Electronic Light Guide	AV41LG
eLuma™ Dyonics/Wolf Adapter	AVELG51
eLuma™ Adapter ACMI	AVELG52
eLuma™ CONMED Threaded Adapter	AVELG53
Scope to Threaded Adapter	AVELG53SA

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### The Right Tool for the Job

Tired of temperamental light cables that are never as bright as the day they were installed and prone to failure? The eLuma™ electronic light guide is the right tool for the job. It's simple: the better surgeons can see, the better care they can provide to the patients. CONMED's 4K visualization technology is designed to enhance a surgeon's ability to clearly and quickly identify critical anatomical structures and make the crucial decisions that impact patient outcomes.

ELUMA™ ELECTRONIC  
LIGHT GUIDE (ELG)



## Looking Glass® Camera

# Durability You Need

### A System That Works For You

With the ever-increasing demand for faster OR turnover, having circulators make tedious adjustments to imaging systems can seem like a big waste of valuable time. With CONMED's Looking Glass® System, the 5-button camera head enables heightened control in the OR from the sterile field allowing you to navigate through the settings, menu, programming, and external device settings to make adjustments as required. These buttons can be easily customized to provide personalization of the functions as well. Additionally, the camera heads have been ergonomically designed to provide comfort when holding the camera head in various positions.



**CAMERA HEAD  
4K, 3MOS  
(AV41CHE)**



**CAMERA HEAD  
4K, 3MOS — LOCKING  
(AV41CHE-L)**

### Autoclavable Ease

The autoclavable camera heads of the Looking Glass® System provides a cost-effective process of sterilizing and turning around equipment between cases.



### Built CONMED Tough

The Looking Glass® System was designed for the most demanding ORs. In addition to image clarity and picture, this reliable system has been engineered to withstand mishaps in the OR — with features intended to reduce set up time and repair costs to fiber optic cables and camera heads:

- **ShockFlex™ Prism** mounting on camera heads protect against drops up to nearly 4 feet.
- **Gorilla® Glass<sup>1</sup>** on monitor provides high resistance to accidental scratches from pointed edges on gas columns, OR lights or entry doors.
- **Gorilla® Glass** mitigates the need for protective plexi glass screen covers that could potentially affect the colors of the image.

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Looking Glass® Camera Head 4K 3MOS Eyecup AV41CHE

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Looking Glass® Camera Head AV41CHE-L  
4K 3MOS Eyecup — Locking

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### A System That Works For You

In addition to potentially reducing the need to adjust the system since the surgeon can do so using the camera head, adjustments from outside the sterile field can be done easily using the passive touch menu on the front glass of the Looking Glass® monitor.

*Gorilla® Glass is a registered trademark of Corning®*

## Cable Connector Interface (CCI)

# An Intuitive System that Enables Integration

The CCI integrated design offers installation flexibility, removes bulky consoles, and decreases its OR footprint. LED indicator rings ensure proper setup. Supports cart case mounting or integrated OR



## Features and Benefits

### Easy Connection

Easily connect and disconnect camera heads and light cables.

### USB Connectivity

USB port connects to Looking Glass® image capture to simplify transferring images and video to external memory devices. Simple data transfers.

### LED Indicator Lights

LED indicators show when the CCI is powered (green) and when the camera head and light cables are plugged in and initialized (blue).

## Reduced OR Footprint

The Looking Glass® Cable Connector Interface (CCI) allows the camera heads and eLuma™ Electronic Light Guide to be connected to the Looking Glass® system without having to connect at the back of the monitor. This system provides something that nearly every operating room needs more of — space. By integrating the camera controller and the light source into the Looking Glass® monitor, you now have extra shelves available on your cart for more accessories/equipment used in arthroscopy, laparoscopic, and sinuscopy procedures. The system integration also provides modularity for easy setup on either a tower or integrated within your OR.

Video Cart, 120VAC	AV8500
CCI RetroKit for Visualization Cart	VP8500AV-Kit
Mounting Bracket for CCI	AV8542
Primary Articulating Arm	AV8570
Secondary Articulating Arm with Keyboard	AV8571
Tray 10K Pump Holder	VP8572
Dual Tank Gauge	VP8573
CO2 Holder, Dual Tank	VP8574
CO2 Holder, Single Tank	VP8575
Storage Drawer	VP8576
Camera Head Holder	VP8577
Footswitch Bin	VP8578
Tank Wrench with Magnetic Base	VP8580
Cable Connect Interface (CCI)	AV41CON

Touch Glass™

# Touch Glass™

## Standard Image, Video Capture and Content Management System

The next generation of high definition image and video capture and record system that is designed to improve how hospitals manage surgical footage both in and out of the OR. Featuring an all-in-one integrated design and easy-to-use touchscreen interface, this system puts state-of-the-art image and video capture at your fingertips.



Touch Glass™ Standard Image Capture	AV41SIC
Touch Glass™ Content Management System	AV41CMS
USB Keyboard	DRS29
SONY Printer	UP-DR80MD

## Features and Benefits

<b>Dual High Definition Video Inputs</b>	Dual-HDMI video inputs capture surgical footage with crisp, clear image quality which can be later upscaled to 2560 x 1440 resolution.
<b>Easy-To-Use Touch Screen Interface</b>	12.5" touch screen provides a familiar smartphone-like user interface. An optional keyboard and mouse are available as well.
<b>Review, Notation and Exporting Made Easy</b>	Recorded cases can be viewed, annotated and easily transferred to portable media, network storage, iOS and android devices, PACS/DICOM (Picture Archiving and Communication systems) for documentation, storage, and presentation or printed live in the OR.
<b>Wireless Connectivity &amp; Automatic Archiving</b>	System can connect to hospital ASC networks to share files and automatically archive copies of media files to network drives using the MedXStream App.
<b>Secure Access</b>	Security credentials can be enabled to safely access system functions and protect Protected Health Information (PHI).
<b>PACS/DICOM Integration for Electronic Health Records (HER)</b>	Easily connect and interact with PACS (Picture Archiving and Communication Systems) or DICOM work list server and DICOM storage server.
<b>Convenient Access from Outside the Sterile Field</b>	System can be attached to the secondary articulating arm of the Looking Glass® Video Cart located away from the Sterile field -allowing easy access for nurses.
<b>Additional Features</b>	Capture still images from playback, ability to live stream video and audio for educational applications, and an optional foot pedal are available.

## Financing for Looking Glass®

# An Investment In Your Future

### Versatile, Cost-Effective, Multi-Specialty Solution

To provide the maximum value to hospitals, ASCs and other healthcare providers, we designed this system to be a true multi-specialty solution. With the improved light sensitivity provided by the 3MOS technology and the brighter, deeper light provided by the LED light source and camera head, you have a system that is adept at differentiating between the bright whites of orthopedics as well as the deep reds of laparoscopy and general surgery procedures.

### The Most Cost-Effective Sterilization Solution

Autoclavable camera heads are designed to withstand the most cost-effective sterilization method when compared to other sterilization methods like Sterrad and Steris.<sup>2</sup>

<sup>2</sup> McCreanor, Victoria, and Nicholas Graves. "An Economic Analysis of the Benefits of Sterilizing Medical Instruments Low-Temperature Systems Instead of Steam." *American Journal of Infection Control*, Elsevier, 29 Mar. 2017, [www.sciencedirect.com/science/article/pii/S0196655317301475](http://www.sciencedirect.com/science/article/pii/S0196655317301475).

### 7-Year Warranty

Anyone can claim their system is reliable, but we back it up with a market leading 7-Year Warranty against steam penetration – so you know your investment is protected.

### Flexible Financing

CONMED has a wide range of financial solutions available to meet your needs. Talk to your local sales rep about financing opportunities today.



To make a smart investment and upgrade your OR, call **1-866-4CONMED** to schedule an evaluation with your local CONMED Sales Representative or visit [www.CONMED.com/LookingGlass](http://www.CONMED.com/LookingGlass) for more information.

CONMED Corporation  
11311 Concept Blvd.  
Largo, FL 33773

Toll Free: 1-866-4CONMED  
International: 727-214-3000  
[www.CONMED.com](http://www.CONMED.com)

[customerexperience@conmed.com](mailto:customerexperience@conmed.com)  
[internationalorders@conmed.com](mailto:internationalorders@conmed.com)