

ARTHREX SYNERGY HD3



ABOUT

The **Arthrex Synergy HD3** camera system is a high-definition endoscopic imaging platform designed to provide clear visualization across a wide range of minimally invasive surgical procedures. Intended for use in orthopedic, laparoscopic, urologic, sinus, plastic, and microscopic surgeries, the system delivers detailed surgical images that help support precision and efficiency in the operating room. The HD camera controller works with compatible camera heads and endoscopes to produce sharp, accurate images while maintaining a straightforward, user-friendly workflow. Its compact console integrates easily with existing surgical video systems, making it a versatile addition to a variety of operating room configurations.



FEATURES

- **High-Definition Imaging:** Produces clear, detailed surgical images to enhance visualization during minimally invasive procedures.
- **Multi-Specialty Compatibility:** Designed for orthopedic, laparoscopic, urologic, sinus, plastic, and microscopic surgical applications.
- **Flexible Camera Head Options:** Compatible with a range of Arthrex camera heads and optical configurations to meet different procedural requirements.
- **Compact System Design:** Integrates easily into existing surgical towers and operating room video systems without occupying excessive space.
- **Intuitive Operation:** User-friendly controls and streamlined system design help simplify setup and support efficient workflow during procedures.

DIMENSIONS

Width: 16 in (40.6 cm)

Height: 5 in (12.7 cm)

Depth: 13.5 in (34.3 cm)

Weight: 18 lb (8.2 kg)

VIDEO & IMAGING

3G-SDI Output: 1080p, 59.94 Hz (SMPTE 425 Standard)

DVI Output: 1920 × 1080, Progressive Scan (1080p)

Vertical Scan Frequency: 59.94 Hz

Signal-to-Noise Ratio: >50 dB

White Balance (Integrated Optics Camera): 2,000–10,000 K

White Balance (C-Mount Camera): 3,053–10,000 K

SPECIFICATIONS



CAMERA HEAD SPECIFICATIONS

AR-3210-0001

- Length: 4.75 in (12 cm)
- Width: 2 in (5 cm)
- Height: 2 in (5 cm)
- Weight: 18.7 oz (530 g)

AR-3210-0003 / AR-3210-0004 / AR-3210-0007

- Length: 3.125 in (8 cm)
- Width: 1.5 in (4 cm)
- Height: 2 in (5 cm)
- Weight (C-Mount Heads): 16 oz (454 g)

LED LIGHT SOURCE

Light Output: $\geq 1,350$ lumens

Color Temperature: 7,000 K (Nominal)

LED Life: >30,000 hours

Light Guide Port: Wolf Standard

Light Guide Port Turret: ACMI, Storz, Wolf, and Olympus compatible

DICOM COMPATIBILITY

Compatible with DICOM when equipped with the optional AR-3200-1020 DICOM Key.