Which 4K System Fits You?

4K Endoscope Camera Systems · Quick Selection Guide | All four models: 3840×2160 · 1/1.8" sensor · 0.3 Lux (610/620/2-in-1)

4K GEV-610 · Entry-level tower · Camera head only · Pairs with external HJ-30 light source

Best for budget-sensitive setups and ORs that already own a light source.

4K GEV-620 · Flagship tower · 3-CMOS · HDMI 2.0 + 3G-SDI (4K UHD)

The workhorse for teaching, recording and multi-display integration.

GEV-610 (2-in-1) · All-in-one tower · Built-in 120W LED

Cuts footprint and halves the cable run — ideal for space-tight rooms.

Portable 4K Integrated · Mobile cart system · Built-in 140W LED · Optional 24″/27″ monitor

Mobile clinics, bedside procedures and point-of-care imaging.

IMAGING CORE				
Image Sensor	**1-CMOS (1×1/1.8″)**	**3-CMOS (3×1/1.8″)**	**1-CMOS (1×1/8″→1/1.8″)**	**1-CMOS (1×1/1.8″)**
↳ *620 triple-sensor design delivers cleaner color separation and more consistent edge definition.*				
Effective Pixels	≈8.3MP*	≈8.3MP*	≈8.3MP*	≈8.3MP*
↳ *Native 4K UHD resolution. *8.3MP = 3840×2160 active pixels; 9.0MP is the sensor's total-pixel figure. Confirm final wording with your official datasheet.*				
Video Output	HDMI 2.0 · 3G-SDI (4K UHD output) · DVI · USB	HDMI 2.0 · 3G-SDI (4K UHD output) · DVI · USB	HDMI 2.0 · 3G-SDI (4K UHD output) · DVI · USB	HDMI 2.0 · 3G-SDI (4K UHD output) · DVI · USB
↳ *Identical on all four models: HDMI 2.0 + 3G-SDI carry 4K UHD, with DVI, USB 3.0×2 and LAN on every system.*				
ILLUMINATION				
Light Source	**External HJ-30**	**External HJ-30**	**Built-in 120W LED**	**Built-in 140W LED**
↳ *External = dimming flexibility with a separate module. Built-in = one fewer light cable and less counter space.*				
Rated Output	**100/120/140W opt.**	**100/120/140W opt.**	**120W**	**140W**
↳ *External figures are the light-module rating; built-in figures are the integrated lamp rating — different measurement bases, compare as a form-factor choice rather than a raw wattage race.*				
Lifetime · CCT · CRI	250k h · 3000–7000K · CRI ≥93	250k h · 3000–7000K · CRI ≥93	250k h · 3000–7000K · CRI ≥93	250k h · 3000–7000K · CRI ≥93
↳ *Identical across the line: high-CRI tunable white.*				
FORM FACTOR & SCENE				
Installation	**Tower + external light source**	**Tower + external light source**	**All-in-one tower (built-in lamp)**	**Mobile cart (built-in lamp)**
Cable / Light Guide	**2.8m · custom · Φ4mm 3000mm autoclavable**	**2.8m · custom · Φ4mm 3000mm autoclavable**	**2.8m · custom · Φ4mm 3000mm autoclavable**	**2.9m · custom · Φ4mm 3000mm autoclavable**
Monitor	**—**	**—**	**—**	**Optional 24″ / 27″**
Typical Settings	**General OR · budget projects**	**Teaching ORs · multi-display suites**	**Space-tight ORs · GI / ENT**	**Mobile clinics · bedside · field missions**

Not sure which one? Tell us your department and procedure type → Request a Quote / Talk to Sales

*Parameters marked * or "opt." are subject to the official datasheet; confirm full specs before ordering. · All four models support CN / EN / RU / JP / ES.*