

## CAMERAS – 35MM PLANETARY

### HK35 Portable 35MM Camera



Use for on-location microfilming where original documents cannot be removed from their source, as well as for permanently installed microfilming systems. Designed for a wide variety of applications: microfilming deeds, court records, newspapers, industrial parts catalogs, drawings, maps, blueprints, X rays, library records, etc. The HK 35 head can also be used as a ultra high resolution 35mm single-lens-reflex camera for close-ups, and still-lives.

Portable compact, precise planetary single-lens-reflex simplex operation microfilm camera with vacuum platen for maximum sharpness. Entire unit including case weighs 15 kg, can be set up in less than two minutes and requires only 35 X 50cm of desk space. Furnished complete with all necessary accessories in a rugged weatherproof carrying case with molded liner that assures complete protection. Reductions from 5x to 11x on baseboard to 34x at maximum focusing distance. Electronically cycled adjustable exposure and fully adjustable pull down for maximum flexibility.

**Exposures Per Roll:** With standard 100' rolls 640 exposures in full frame mode of 1200 exposures in half frame mode, or 2,000 exposures with duplex mask.

**Vacuum Film Platen:** Assures absolute film flatness maximum resolution.

**Film Advance:** Film is advanced and shutter is cocked automatically, making it impossible to double expose. Built-in film footage counter with manual override automatically locks the camera when film is near end of roll. Sensitive micro-switch stops camera-head motor if film tears or is not feeding properly.

**Focusing:** Focuses with automatic-rewinding tape measure built into camera body and single-lens-reflex viewfinder.

**Viewing:** Brilliant thru-the-lens viewing, with luminous outlines of exact fields for full and half frame fields on perforated and unperforated film.

### Typical Machine Characteristics

**Type:** Portable/Desktop planetary microfilmer

**Film:** 35mm, unperforated and perforated. Color or black and white. 30.5 (100').

**Lens:** 70mm micro lens f/5.6 – 22 color-corrected high-resolution. Focuses from 40 - 260cm.

**Frame Size:** 5 sizes are available with masks supplied: 32 X 45mm, 22.5 X 32mm, 24 X 36mm, 24 X 18mm.

**Pull Down:** Adjustable 22.5 to 55mm by 2.5mm step.

**Document Size:** Attached portable stand: A5 (148 X 210mm) to A3 (297 X 420mm).

**Tripod or special stand:** A5 (148 X 210mm) to B0 (1030 x 1456mm).

**Reduction Ratio:** Attached portable stand: 1/5 – 1/11.

**Tripod or special stand:** 1/4.5 – 1/35.  
**Extension rings:** 1/1 – 1/4.  
(Stepless by adjustable camera unit position on column.)

**Focus:** By built-in tape measure or through-the-lens finder.

**Shutter:** Mirror shutter, 5 steps: adjustable shutter speed: 1/4, 1/3, 1/2, 3/4, 1sec.

**Film Holder:** Vacuum platen system.

**Illumination:** Baseboard illuminated by 4 diffused long life bulbs on adjustable light arms.

**Reductions:** 1:5 to 1:11 reductions can be made on the base-board, from 1:1 to 1:4 lower reductions under 1:5 can be made using the extension rings, and up to 1:35 reductions off the base-board. Maximum documents size 115 x 180cm off base-board, 30X 43cm on base-board.

**Tripod Mounting:** The HK 35 can be mounted in three different positions on a tripod making it possible to shoot large, wall-hung drawings and maps, manufacturing processes, or for use as a high capacity identification camera. An optional accessory is the wall mount brackets especially designed to dampen out vibration-permits reductions up to 34X.

**Footage Indication:** Shows length of unexposed film remaining.

**Release Switch:** Hand or foot-operated.

**Exposure Cycle:** 30 shots/minute (two second/frame).

**Illuminations:** 4 X 60W incandescent lamps.

**Power Requirements:** AC 100-120V or 220-240; 50-60 Hz; 250W.

**Carry Case:** 580 X 400 X 160mm.

**Weight:** Total weight including carry case 15 kg.