

PANAVISION[®]
INCORPORATED

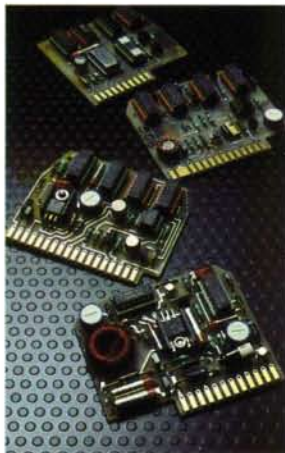
ULTRA PRECISION EQUIPMENT FOR THE MOTION PICTURE INDUSTRY



GOLDEN PANAFLEX[™]

The world's most advanced motion picture camera—

- Extremely Compact
- Lightweight
- Convertible from studio mode to sleek hand-held configuration in less than 60 seconds.
- Powerful, modest profile "G" motor drive incorporates a whole new generation of field replaceable modular electronics.
- "Brighter than life" 360-degree rotatable Ultraview optical viewfinder with Panaclear demisting, adjustable eyepiece.
- Panaglow ground glass illumination for filming in low light levels.



Left, Panaflex's latest field replaceable modular electronics.

Below, the Golden Panaflex easily and quickly converts from studio mode to hand held operation.

- Variable shutter — 200° to 50°
- Continuous program of redesign and updating by Panavision.
- An astonishing array of lenses and accessories make the Golden Panaflex the most sophisticated film-making system ever devised.
- The Golden Panaflex, the responsible, reliable choice.

PANAFLEX-X[™]

A companion camera to the Golden Panaflex with most of the same features, except for the 360-degree rotating viewfinder system and the Panaglow. The "X" accepts the full range of Panavision lenses and accessories, including the Panavid video assist. Used in commercials, modest budget productions, and as a support camera to the Golden Panaflex. Not intended for hand-held filming.

PANASTAR[™]

A special purpose camera that operates at selected crystal-controlled speeds from 6 frames to 120 frames per second. A first cousin to the Golden Panaflex, but with a completely different movement. Motor and magazines sturdily engineered to serve its high-speed function.



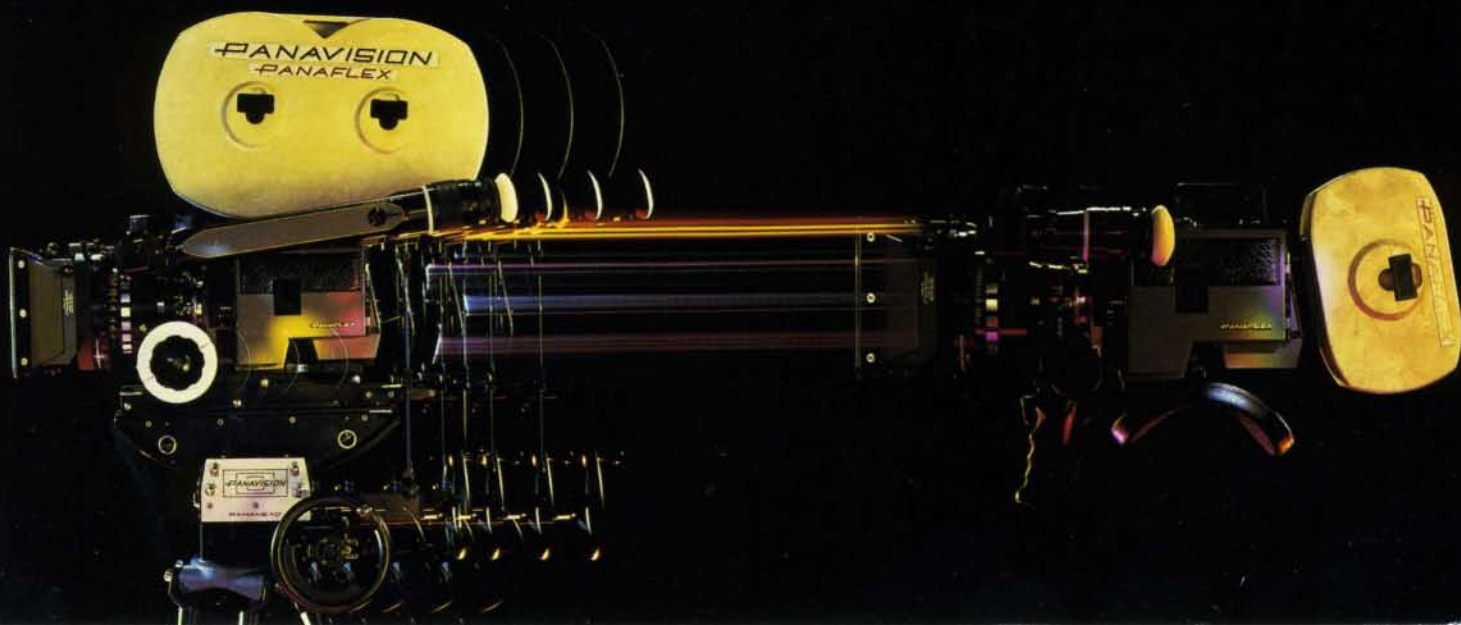
GOLDEN PANAFLEX



PANAFLEX-X



PANASTAR





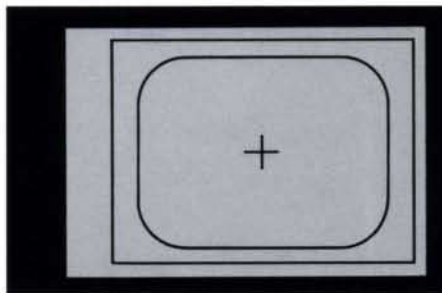
VIEWFINDERS

Two types of Panaflex viewfinders are available — a long extension model for the camera in its studio mode, and a short model for hand-held use. The long viewfinder incorporates an image magnifier (for enlarging the center of the ground glass image), a de-anamorphoser (for switching between spherical and anamorphic formats), and two contrast-viewing filters (0.6 and 0.9 neutral density) to aid the Cinematographer in assessing the overall contrast and lighting balance of a scene.



DIGITAL DISPLAY

One of Panavision's famous "firsts" was the bright, precise digital display which confirms both the camera's frame rate and exposed footage.



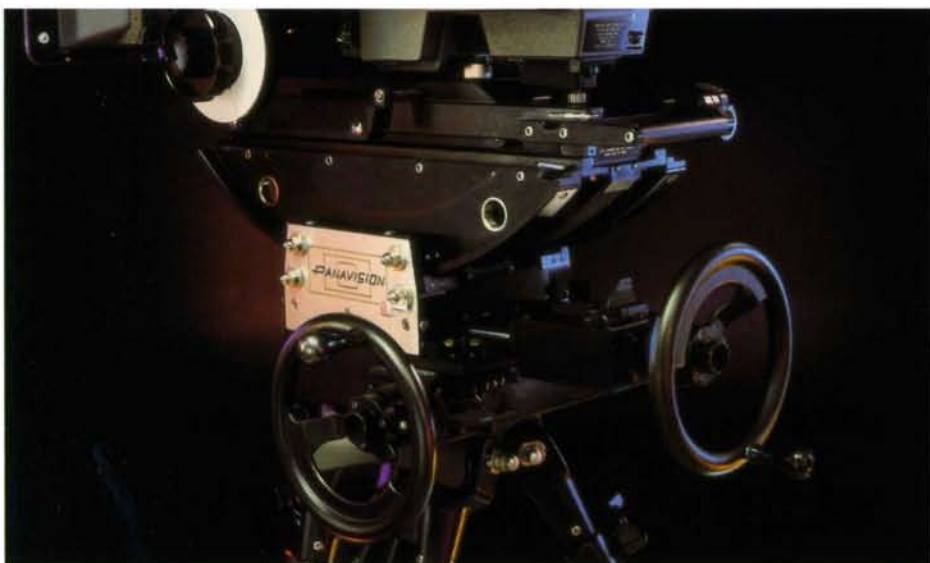
GROUND GLASSES

Standard ground glasses are available with scribing for the Anamorphic format (2.35), 1.85/ACAD., TV/ACAD., and the TV 1.85/ACAD. Plus special ground glasses to accommodate other formats.



PANAGLOW™

The adjustable Panaglow, (a Panavision original), when activated, causes the black lines on the ground glass to glow a dark red, enabling the Operator to know at all times — even in very low light levels — the precise position of his frame lines.



PANAHEAD™

The Panahead is the preferred lightweight, smooth-running complement to the compact Panaflex camera. Geared like the Worrall head (but much lighter), it features three speeds (plus neutral or "free head") for panning or tilting. The built-in tilt plate permits pointing the camera 90 degrees straight up or down...a carrying rod eases the moving of a set-up from one location to another. The camera may be kept in perfect balance as film is transferred within the magazine.



MAGAZINES

Panavision displacement type magazines are constructed of magnesium or special high-impact plastic. They are ruggedly durable and highly resistant to corrosion and extremes of weather. Magazines come in 1000', 500', and 250' capacities; the smaller sizes most frequently selected for hand-held filming.

PANALITE™

An ingenious Panavision patent...a small camera (basher or obie) light that can be dimmed without any shift in color temperature...a rank of tubular rods — black on one side, white on the other — are uniformly rotated to increase or diminish reflectance at a constant color temperature.



PANAGLIDE™

The Panaglide camera stabilizing system allows the Operator to walk or run while filming fast moving action. A bright, video display is reflexed through the camera lens as a guide. Focus and T-stop changes can be made during motion. The Panaglide floats the camera smoothly, dampening out jolts and vibrations and makes possible those intricate moving shots that add impact.



PANAVISION LENSES

A vast universe of lenses in spherical, anamorphic, and zoom configurations for 35mm and 65mm cinematography. Unique concepts are computer designed to precise tolerances, utilizing rare earth glass stocks and multi-layer coatings. Each Panavision lens is a hand-crafted creation monitored to the highest standards of quality. Super-Speed and Ultra-Speed lenses, in both spherical and anamorphic formats make it possible to photograph almost anything the human eye can see. The newest, our Ultra-Zoom, is a high-speed T/1.9 lens that exceeds a 6 to 1 zoom ratio. Exotic and special purpose lenses also available.



BATTERIES AND CHARGERS

Panavision has standardized on 24-volt nickel cadmium battery systems for virtually all its equipment. Panavision manufactures its own chargers, the latest containing microprocessors that facilitate the in-depth sensing of cell charge rate and temperatures and ensure speedier and more balanced charging for longer battery life.

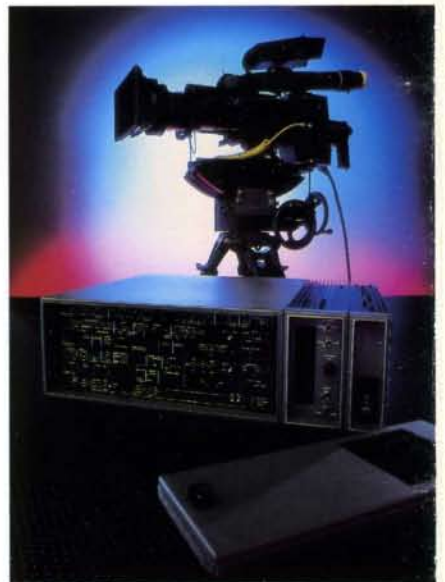
THE PANACAM™

The Panacam is a video camera designed for the Cinematographer. It has a true reflex viewing system, Ultra-view, and accepts all the same lenses and accessories as the Panaflex.

An ingenious internal optical relay system reduces and concentrates the image to conform to the smaller format of the video pickup tubes. Thus, any 35mm format lens mounted on a Panacam will produce exactly the same angle of view. In reducing the image, the optical relay system bundles the light and increases the effective speed of the lens. Any Panavision lens rated T/4 or faster becomes T/17.

The true operating ease of the Panacam is enhanced by its built-in microprocessor which constantly registers the camera and alerts the user to electronic problems and indicates the road to recovery. Sophisticated automatic exposure control, tone capture, soft white compression, adjustable gamma and selective brightness are special features. Either NTSC or PAL standards can be interchanged in moments. A flexible, worldwide power supply, DC or AC, senses source current and adjusts itself automatically.

The Panacam is the only reflex video camera to **always** incorporate the latest in video technology — an anti-obsolescence policy typical of all Panavision equipment.

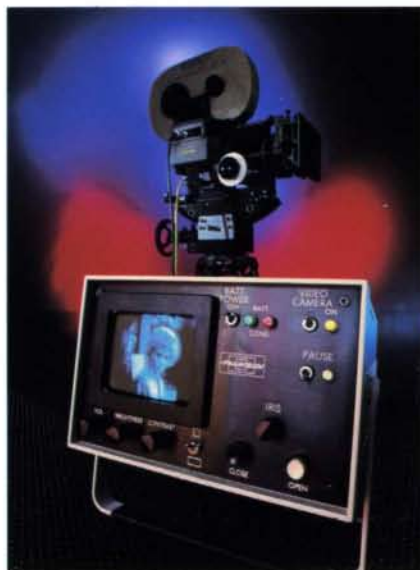


Above left, the Panacam converts to shoulder operation with fully adjustable hand grips.

Above, versatile CCU (foreground) featuring friendly electronics, provides helpful control of all critical camera functions.

PANAVID™

An extremely sensitive video assist that takes its image from the ground glass. The Panavid incorporates condensing optics, a video mechanical iris and a neutral density (ND) filter that can be flipped in and out of the optical path.





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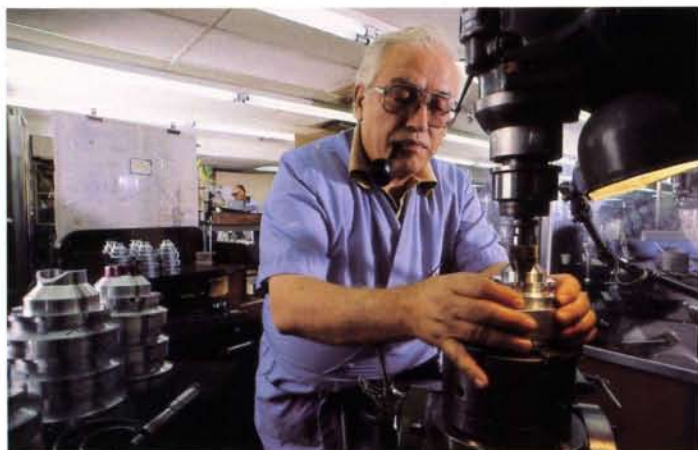
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Decades of experience devoted to each component part.

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