



KODAK  
Audiovisual  
Products  
Catalog  
1975-76



# Motion-Picture Projectors and Supplies

<i>Product</i> <b>CAT. No.</b>	<b>KODAK PAGEANT Sound Projector, Model AV-126-TR</b>	
126 Projector <b>156 9540</b>	<p>A 16 mm optical sound projector with a rugged, 8-transistor, high-fidelity amplifier. The amplifier has a frequency response of 30 to 20,000 Hz, and is rated at 12 watts Music Power output.</p> <ul style="list-style-type: none"> <li>• Well-baffled 11x6-inch detachable speaker with 40 feet of connecting cord</li> <li>• Permanently prelubricated and time-tested KODAK PAGEANT 16 mm Projector mechanism is rubber-shock-mounted in a sturdy scuff-resistant, vinyl-covered, 3/8-inch plywood case with permanently attached overhead reel arms</li> <li>• Straight-line master control lever operates the projector in either forward or reverse direction . . . either sound (24 fps) or silent (18 fps) speeds</li> <li>• Sound fidelity control lever</li> <li>• SUPER-40 Shutter provides optimum projection brightness at sound and silent speeds</li> <li>• Special tungsten-carbide pulldown tooth gives long life</li> </ul>	<ul style="list-style-type: none"> <li>• 12-foot permanently attached power cord with grounding-type plug and lifetime projector lubrication</li> <li>• Tab rewind lever which makes it virtually impossible to thread the projector when in rewind position; easy-out film gate which can be removed with only a light pull for cleaning</li> </ul> <p><b>Equipment includes</b>—KODAK Projection EKTANAR Lens, 2-inch <i>f</i>/1.6 (L); 750-watt lamp (ASA Code DDB); 1600-foot KODAK Movie Reel. <b>Film Capacity</b>—2000 feet, 16 mm. <b>Power Required</b>—105-125-volt, 60 Hz. Underwriters' Laboratories, Inc. Listed. <b>Illumination</b>—750-watt lamp; 1000- or 1200-watt lamp can be used. <b>Amplifier</b>—Printed circuit, all-transistor. Separate inputs for microphone and phonograph. <b>Amplifier Frequency Response</b>—30 to 20,000 Hz. <b>Audio Output</b>—12 watts Music Power. <b>Speaker</b>—11x6-inch oval. <b>Dimensions</b>—Length 13 3/4 inches; width 11 1/2 inches; height 16 3/4 inches. <b>Weight</b>—37 1/2 pounds.</p> <p><i>Auxiliary Equipment:</i>            KODAK Microphone, Model PA-8            KODAK 35-foot Speaker Extension Cord, Type B            CINE-KODAK Bifocal Converter            KODAK Projection EKTANON Lens            DDB lamp, 750-watt            DFT lamp, 1000-watt            DHT lamp, 1200-watt            BSK Photocell Exciter Lamp</p> <div data-bbox="824 968 1284 1373" data-label="Image"> </div>
126R Projector <b>193 0999</b>	<p><b>KODAK PAGEANT Sound Projector, Model AV-126-TR-R</b>            Similar to the KODAK PAGEANT Sound Projector, Model AV-126-TR, but operates on 115-230-volt, 50-60 Hz current. Sound (24 fps) speed only. Voltage and cycle selector switches are built into the amplifier panel. Supplied without lamp. For 115-volt operation use DDB (750-watt) or DFT (1000-watt) lamp. For 230-volt operation use DKK (750-watt) or DKT (1000-watt) lamp. Supplied from Rochester only.</p> <p><b>Projection lamps for Model AV-126-TR-R</b>            DDB—750-watt, 115-volt            DFT—1000-watt, 115-volt            DKK—750-watt, 230 volt            DKT—1000-watt, 230-volt            BSK—Photocell Exciter Lamp</p>	

Product

CAT. No.

## KODAK PAGEANT Sound Projector, Model AV-256-TR

256 Projector

140 0852

A very powerful and flexible sound projector featuring a transistorized, high-fidelity 25-watt Music Power amplifier that has a response range of 50 to 18,000 Hz.

- Well-baffled 11x6-inch detachable speaker with 40 feet of connecting cord
- Permanently prelubricated and time-tested KODAK PAGEANT 16 mm Projector mechanism is rubber-shock-mounted in a sturdy scuff-resistant, vinyl-covered, 3/8-inch plywood case with permanently attached overhead reel arms
- Straight-line master control lever operates the projector in either forward or reverse direction . . . either sound (24 fps) or silent (18 fps) speeds
- Sound fidelity control lever
- SUPER-40 Shutter provides optimum projection brightness at sound and silent speeds
- Special tungsten-carbide pulldown tooth gives long life

- 12-foot permanently attached power cord with grounding-type plug and lifetime projector lubrication
- Tab rewind lever which makes it virtually impossible to thread the projector when in rewind position; easy-out film gate which can be removed with only a light pull for cleaning

**Equipment includes**—KODAK Projection EKTANAR Lens, 2-inch  $f/1.6$  (L); 750-watt lamp (ASA Code DDB); 1600-foot KODAK Movie Reel. **Film Capacity**—2000 feet, 16 mm. **Power Required**—105-125-volt, 60 Hz. Underwriters' Laboratories, Inc. Listed. **Illumination**—750-watt lamp; 1000- or 1200-watt lamp can be used. **Amplifier**—Printed circuit, all-transistor. Separate inputs for microphone and phonograph. **Amplifier Frequency Response**—50 to 18,000 Hz. **Audio Output**—25 watts Music Power. **Speaker**—11x6-inch oval. **Dimensions**—Length 13 3/8 inches; width 11 1/2 inches; height 16 3/4 inches. **Weight**—37 1/2 pounds.

### Auxiliary Equipment:

KODAK Microphone, Model PA-8  
KODAK 35-foot Speaker Extension Cord, Type B  
CINE-KODAK Bifocal Converter  
KODAK Projection EKTANON Lens  
DDB lamp, 750-watt  
DFT lamp, 1000-watt  
DHT lamp, 1200-watt  
BSK Photocell Exciter Lamp



256R Projector

193 0932

### KODAK PAGEANT Sound Projector, Model AV-256-TR-R

Similar to the KODAK PAGEANT Sound Projector, Model AV-256-TR, but operates on 115-230-volt, 50-60 Hz current. Sound (24 fps) speed only. Voltage and cycle selector switches are built into the amplifier panel. Supplied without lamp. For 115-volt operation use DDB (750-watt) or DFT (1000-watt) lamp. For 230-volt operation use DKK (750-watt) or DKT (1000-watt) lamp. Supplied from Rochester only.

### Projection lamps for Model AV-256-TR-R

DDB—750-watt, 115-volt  
DFT—1000-watt, 115-volt  
DKK—750-watt, 230 volt  
DKT—1000-watt, 230-volt  
BSK—Photocell Exciter Lamp

Product CAT. No.	<b>KODAK PAGEANT Arc Projector</b>	
AV295 Projector <b>145 7357</b>	<p>Combines a high-efficiency arc lamp with an outstanding optical sound system to produce a 16 mm projector that's ideal for auditorium use.</p> <ul style="list-style-type: none"> <li>• Uses 300-watt General Electric Marc 300 lamp to produce a screen image up to four times brighter than is normal with 1,000 to 1,200-watt lamps in conventional 16 mm projectors</li> <li>• Projector is portable . . . can be set up anywhere in a matter of minutes.</li> </ul>	
AV296 Projector (without Power Supply) <b>108 4672</b>	<p>No additional electrical power or special ventilation system needed</p> <ul style="list-style-type: none"> <li>• 5000 K color temperature of lamp creates screen image of crisp, brilliant whites; alive, vivid colors; and apparent improvement in overall contrast and sharpness</li> <li>• Powerful 25-watt Music Power transistorized amplifier</li> <li>• Well-baffled 11x6-inch detachable speaker with 40 feet of connecting cord</li> <li>• Permanently prelubricated and time-tested KODAK PAGEANT 16 mm Projector mechanism is rubber-shock-mounted in a sturdy scuff-resistant, vinyl-covered 3/8-inch plywood case with permanently attached overhead reel arms</li> <li>• Straight-line master control lever operates the projector in either forward or reverse direction . . . either sound (24 fps) or silent (18 fps) speeds</li> </ul>	<ul style="list-style-type: none"> <li>• Sound fidelity control lever</li> <li>• SUPER-40 Shutter provides optimum projection brightness at sound and silent speeds</li> <li>• 12-foot permanently attached power cord with grounding-type plug and lifetime projector lubrication</li> <li>• Special tungsten-carbide pulldown tooth gives long life</li> <li>• Tab rewind lever which makes it virtually impossible to thread the projector when in rewind position; easy-out film gate which can be removed with only a light pull for cleaning</li> </ul>
<p><b>Equipment includes</b>—KODAK Projection EKTANAR Lens, 2-inch, <i>f</i>/1.6 (L); 300-watt Marc 300/16A Projection lamp; power supply unit; 1600-foot KODAK Movie Reel. <b>Film Capacity</b>—2000 feet of 16 mm film. <b>Power Required</b>—105-125-volt, 60 Hz. Underwriters' Laboratories, Inc. Listed. Maximum power consumed, 700 watts. <b>Illumination</b>—Lumen output in the two-blade shutter position is a minimum of 1350 screen lumens; in the three-blade position, 960 screen lumens. (No film in gate.) <b>Amplifier Output</b>—25 watts IHFM Music Power rating. <b>Amplifier Frequency Response</b>—50 to 18,000 Hz. <b>Microphone and Phono Receptacles</b>—Microphone and record player can be attached to use projector as a high-fidelity P.A. system. <b>Speaker</b>—Heavy-duty, well-baffled, 16 ohms, 11x6-inch oval speaker. Permanently attached 40-foot cord with 0.206" phone-type plug. Will handle full output of amplifier. <b>Weight</b>—40½ lbs for the projector. 26½ lbs for the power supply unit. <b>Dimensions</b>—Length 13¾ inches; width 11½ inches; height 16¾ inches. <b>Power Supply Dimensions</b>—Length 16¾ inches; width 12½ inches; height 5¼ inches.</p>		
<p><b>Auxiliary Equipment:</b> KODAK Microphone, Model PA-8 KODAK 35-foot Speaker Extension Cord, Type B CINE-KODAK Bifocal Converter Marc 300/16A Lamp BSK Photocell Exciter Lamp</p>		
		

Product Part No.	<b>KODAK EKTAGRAPHIC Arc Projection Power Supply</b>	
AV431 Power Supply <b>187088</b>	<p>For KODAK PAGEANT Arc Projector or the KODAK EKTAGRAPHIC Arc Slide Projector—Used to furnish power for the General Electric Marc 300/16A or Marc 300/35K 300-watt lamps. Weighs about 26½ pounds. Dimensions are 16¾ inches long, 12½ inches wide, and 5¼ inches high (with feet). Includes a 12-foot grounded (3-wire) cord.</p>	

Product

CAT. No.

**KODAK PAGEANT Sound Projector, Model AV-12E6**

AV280 Projector

109 7963

A 16 mm optical sound projector with a rugged, 8-transistor amplifier. Sound system is solid state and transistorized—for instant sound.

- Amplifier with a frequency response of 30 to 20,000 Hz, rated at 12 watts Music Power
- Well-baffled, 11x6-inch detachable speaker with 40 feet of cord
- Permanently prelubricated and time-tested KODAK PAGEANT 16 mm Projector mechanism is rubber-shock-mounted in a sturdy scuff-resistant, vinyl-covered, 3/8-inch plywood case with permanently attached overhead reel arms
- Forward projection controlled with a straightforward master control lever that activates motor and lamp in proper sequence . . . either sound or silent speeds can be achieved with the flip of a lever

- Long-life features are: lifetime exciter lamp coupled with a solid-state solar cell, circuit breaker, and a super-hard tungsten-carbide-toothed film pulldown designed for years of use
- Unique two-handle portability
- Volume and tone controls
- Separate microphone and phono inputs that allow the projector to be used as a portable P.A. system
- Smartly styled in two-tone gray with a 12-foot, permanently attached 3-wire power cord

**Equipment includes**—KODAK Projection EKTANAR Lens, 2-inch  $f/1.6$  (L); 750-watt lamp (ANSI Code DDB); 1600-foot KODAK Movie Reel. **Film Capacity**—105-125-volt, 16 mm. **Power Required**—105-125-volt, 60 Hz. Underwriters' Laboratories, Inc. Listed. **Illumination**—750-watt lamp; 1000- or 1200-watt lamp can be used. **Amplifier**—Printed circuit, all transistor. Separate inputs for microphone and phonograph. **Amplifier Frequency Response**—30 to 20,000 Hz. **Audio Output**—12 watts Music Power. **Speaker**—11x6-inch oval. **Dimensions**—Length 13 $\frac{3}{8}$  inches, width 11 $\frac{1}{2}$  inches, height 16 $\frac{3}{4}$  inches. **Weight**—37 $\frac{1}{2}$  pounds.

*Auxiliary Equipment:*

KODAK 35-foot Speaker Extension Cord, Type B  
CINE-KODAK Bifocal Converter  
KODAK Microphone, Model PA-8  
KODAK Projection EKTANON Lenses  
DDB Lamp, 750-watt  
DFT Lamp, 1000-watt  
DHT Lamp, 1200-watt  
BSK Photocell Exciter Lamp



<p>Product</p> <p>CAT. No.</p>	<p><b>KODAK PAGEANT Sound Projector, Magnetic-Optical, Model AV-12M6</b></p>	
<p><i>AV286 Projector</i></p> <p><b>141 9779</b></p>	<p>In addition to the traditional PAGEANT Projector quality of picture and optical sound reproduction, the AV-12M6 records and plays back sound from magnetic tracks (full, half, and quarter widths) at either silent or sound speed. Add magnetic sound to any film, old or new.</p> <ul style="list-style-type: none"> <li>• Overhead reel arms for projection convenience</li> <li>• VU meter indicates sound level during recording</li> <li>• Solid-state, transistorized amplifier has a 12-watt Music Power output rating</li> <li>• Both high- and low-level inputs are provided and are independently controlled for balanced mixing of sound, with a separate master volume control to set the overall level</li> <li>• All controls are grouped for ease of use</li> <li>• 6-8 ohm output is provided for connection to the speaker; also 200 ohm output for headphone monitoring</li> <li>• Microphone supplied</li> <li>• Corrections in magnetic recording are easily made . . . rerecording automatically erases the previous recording</li> </ul>	<ul style="list-style-type: none"> <li>• Lifetime solar cell for optical sound pickup</li> <li>• SUPER-40 Shutter provides optimum projection brightness at sound (24 fps) and silent (18 fps) speeds</li> <li>• Special tungsten-carbide pulldown tooth gives long life</li> <li>• 12-foot, permanently attached power cord with grounding-type plug and lifetime projector lubrication</li> </ul> <p><b>Equipment includes</b>—KODAK Projection EKTANAR Lens, 2-inch, f/1.6 (L); 750-watt lamp (ANSI Code DDB); 1600-foot KODAK Movie Reel; dynamic microphone. <b>Film Capacity</b>—2000 feet, 16 mm. <b>Power Required</b>—105- to 125-volt, 60 Hz. Underwriters' Laboratories, Inc. Listed. <b>Illumination</b>—750-watt lamp; 1000- or 1200-watt lamp can be used. <b>Amplifier</b>—Printed circuit, all transistor. Separate inputs for microphone and phonograph. <b>Amplifier Frequency Response</b>—20 to 35,000 Hz. <b>Audio Output</b>—12 watts Music Power. <b>Speaker</b>—11 by 6-inch oval <b>Dimensions</b>—Length 13<math>\frac{3}{8}</math> inches; width 11<math>\frac{1}{2}</math> inches; height 16<math>\frac{1}{4}</math> inches. <b>Weight</b>—37<math>\frac{1}{2}</math> pounds.</p> <p><i>Auxiliary Equipment:</i>            KODAK 35-foot Speaker Extension Cord, Type B            CINE-KODAK Bifocal Converter            KODAK Projection EKTANON Lenses            BSK Photocell Exciter Lamp            Lamps for AV-12M6            DDB, 750-watt            DFT, 1000-watt            DHT, 1200-watt</p> <div data-bbox="808 772 1198 1115" data-label="Image"> </div>
<p><i>AV286K Projector</i></p> <p><b>141 9878</b></p>	<p><b>KODAK PAGEANT Sound Projector, Magnetic-Optical, Model AV-12M6-K</b>            Differs from domestic version as follows: 50/60 Hz, 120-volt operation; operation at 24 fps only; operation with projection lamp not higher than 1,000 watts; and has fixed two-blade shutter.</p>	<p>Lamps for AV-12M6-K            DDB, 750-watt            DFT, 1000-watt            DHT, 1200-watt</p>
<p><i>AV286L Projector</i></p> <p><b>142 0447</b></p>	<p><b>KODAK PAGEANT Sound Projector, Magnetic-Optical, Model AV-12M6-L</b>            Differs from domestic version in that it is for 50 Hz, 220-volt operation only.</p>	<p>Lamps for AV-12M6-L            DKK, 750-watt            DKT, 1000-watt</p>

(L) LUMENIZED

Product

CAT. No.

**KODAK ANALYST Movie Projector**

199 Projector

**150 2368**

Designed for making detailed analyses of film subjects. You can make repeated changes in the direction of film movement without any screen blackout or any loss of film movement.

- Separate motors for film transport and for lamphouse blower
- Governor-controlled 5 and 24 frames-per-second speeds—rheostat control for speeds between 5 and 24 frames per second
- Remote reverse control for rapid change of film movement
- Daylight screen permits easy projection viewing in lighted room
- Lubricated for life
- Attached reel arms with enclosed nylon gears



**Equipment includes**—KODAK Projection EKTANAR Lens; 2-inch  $f/1.6$  (L); 750-watt lamp (ANSI Code DDB); 400-foot KODAK Movie Reel; instantaneous remote reversing switch; and integral translucent projection screen and mirror for viewing in daylight.

**Power Required**—105- to 125-volt, 25-60 Hz ac or dc. Underwriters' Laboratories, Inc. Listed. **Illumination**—750-watt lamp; 1000-watt lamp can be used. **Film Capacity**—400 feet, 16 mm. **Speeds**—5 to 24 frames per second. **Dimensions**—Length 12½ inches, width 11 inches, height 14 inches. **Weight**—25 pounds.

**Auxiliary Equipment:**  
CINE-KODAK Bifocal Converter  
KODAK Projection EKTANON Lenses  
Spare or replacement lamps:  
DDB lamp, 750-watt  
DFT lamp, 1000-watt

FEATURE COMPARISON CHART FOR KODAK PAGEANT AND ANALYST 16 MM MOTION PICTURE PROJECTORS										
		PAGEANT Projector Model								ANALYST
		12E6	126-TR	256-TR	12M6	Arc	126-TR-R	256-TR-R	12M6-K	
<b>Projector Power Requirements:</b>										
105 to 125-volt, 60 Hz only		X	X	X	X	X				X
115/230-volt, 50 or 60 Hz							X	X		
105 to 125-volt, 50 or 60 Hz									X	
210 to 250-volt, 50 Hz										X
<b>Lamps (available from Kodak)</b>	<b>Life (hours)</b>									
500-watt CZX, 120-volt	25	X	X	X	X		X	X	X	X
750-watt DDB, 120-volt	25	X	X	X	X		X	X	X	X
1000-watt DFT, 115-120-volt	25	X	X	X	X		X	X	X	X
1200-watt DHT, 120-volt	10	X	X	X	X		X	X		
750-watt DKK, 230-volt	25						X	X		X
1000-watt DKT, 230-volt	10						X	X		X
300-watt Marc 300/16A	25+					X				
Exciter lamp BSK, 6-volt, T-5		X	X	X	X	X	X	X	X	X
<b>Other lamps that can be used:</b>	<b>Life (hours)</b>									
750-watt DDW, 120-volt	10	X	X	X	X		X	X	X	X
750-watt DDY, 120-volt	200	X	X	X	X		X	X	X	X
750-watt DGH, 120-volt	500	X	X	X	X		X	X	X	X
<b>Sound System</b>										
Optical Playback		X	X	X	X	X	X	X	X	X
Magnetic playback					X				X	X
Magnetic record					X				X	X
12-watt amplifier		X	X		X		X		X	X
25-watt amplifier				X		X		X		
Focusing sound optics			X	X	X	X	X	X	X	X
All projectors with sound systems have a microphone and phono input jack so that the projector can be utilized as a PA system.										
<b>Operation</b>										
Forward only		X								
Forward and reverse			X	X	X	X	X	X	X	X
KODAK SUPER-40 Shutter			X	X	X	X	X	X		X
18 and 24 frames per second		X	X	X	X	X				X
24 frames per second <i>only</i>							X	X	X	
5 to 24 frames per second (variable)										X
2-blade shutter		<b>3-blade</b>							X	<b>3-blade</b>

**General Projector Features**

All projectors will accept the KODAK Projection EKTANAR Lens, 2-inch  $f/1.6$ , and the KODAK Projection EKTANON Lenses, 1½-inch  $f/2.0$ , 3-inch  $f/2.0$ , and 4-inch  $f/2.5$ .

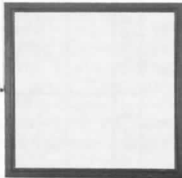
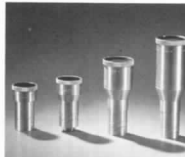

The CINE-KODAK Bifocal Converter, for the KODAK Projection EKTANAR Lens, 2-inch  $f/1.6$ , shortens the effective focal length to 1½ inches or lengthens it to 2½ inches, depending upon which end of the converter is placed next to the lens.

All projectors are permanently lubricated for life.

All projectors, except the KODAK ANALYST Projector, have a 2000-foot film capacity and are equipped with solid-state solar cell pickup with solid-state amplifiers. The ANALYST Projector has a 400-foot film capacity.



# Projection Aids and Supplies

<p><i>Product</i></p> <p><b>CAT. No.</b></p>	<p><b>KODAK EKTALITE Projection Screen, Model 3 (40x40)</b></p>
<p><i>D568 Projection Screen</i></p> <p><b>145 7001</b></p>	<p>Produces over six times the brightness of present lenticular screens within its 60-degree-wide viewing area, so it is ideal for the projection of visuals in areas of high illumination or where darkening is not practical or desirable. The specially treated aluminum screen surface is mounted in a rugged, one-piece, molded housing and is equipped with a universal mounting bracket. The bracket permits free-standing use on a table or desk, or suspension from wall or ceiling. The double-curved surface of this rigid screen not only returns more light per unit of screen area but, by nature of its unique curvature and material, will reject stray light originating from outside the projection area. Dimensions (frame size), 45x45 inches. Weight, 14 pounds.</p> 
<p><i>1½-inch f/2.0 (L)</i></p> <p><b>150 3093</b></p> <hr/> <p><i>2-inch f/1.6 (L)</i> <i>(EKTANAR)</i></p> <p><b>156 3964</b></p> <hr/> <p><i>3-inch f/2.0 (L)</i></p> <p><b>150 3119</b></p> <hr/> <p><i>4-inch f/2.5 (L)</i></p> <p><b>150 3127</b></p>	<p><b>KODAK Projection EKTANON Lenses—(16 mm)</b></p> <p>Make possible optimum screen sizes and projection "throws" under unusual conditions. The 1½-inch lens produces extra-large screenings at short distances, while 3- and 4-inch lenses are intended for unusually long projection. For KODASCOPE Projectors, Models G, E, EE, Sixteen-10, Sixteen-20, ANALYST, ROYAL, Sound KODASCOPE Model F Series, and KODAK PAGEANT Sound Projectors.</p> 
<p><i>Bifocal Converter</i></p> <p><b>153 5830</b></p>	<p><b>Cine-KODAK Bifocal Converter</b></p> <p>(For KODAK Projection EKTANAR or EKTANON Lens, 2-inch f/1.6)—When mounted on a KODAK Projection EKTANAR or EKTANON Lens, 2-inch f/1.6, shortens the effective focal length to 1¾ inches or lengthens it to 2½ inches, depending on which end of the converter is placed next to the basic lens. It fits all current Kodak 16 mm silent and sound projectors . . . and all of their predecessors fitted with the 2-inch f/1.6 lens: Sixteen-10, Sixteen-20, E and EE; Sound KODASCOPE Projector, Models F, FS-10, FS-10N, FB, FB-25, and FB-40.</p> 
<p><i>AV460 Protective Cover</i></p> <p><b>140 6644</b></p>	<p><b>KODAK PAGEANT Protective Cover</b></p> <p>Made of a grained brown polyurethane material with a reinforced handle opening, this protective cover is specially designed to fit KODAK PAGEANT Sound Projectors, Model AV-126-TR, AV-256-TR, AV-12E6, AV-12M6, and the KODAK PAGEANT Arc Projector. Also featured as an integral part of the cover is a storage pocket for carrying a movie reel.</p> 