

DAGE COLOR-VISION
FILM CAMERA SYSTEM

COLOR-VISION

Film Camera System



DAGE TELEVISION DIVISION | THOMPSON PRODUCTS, INC.

MICHIGAN CITY, INDIANA

BULLETIN NO. 1008

SUPERB REPRODUCTION OF SLIDES, OPAQUES - COLOR



Interior of color camera showing the three input multiplexer at the top. The folded optical system provides economy of space without sacrificing performance or accessibility. Each amplifier chassis is hinged to permit servicing. The Dichroic mirror assembly is mounted on a precision base plate which is removable as a unit for vidicon replacement.

MODEL 360A COLOR FILM CAMERA



HOLMES FILM PROJECTOR

MODEL 750A COLOR CAMERA CONTROL



Camera control panel provides for any desired combination of red, green, and blue pictures to be switched into the 10 inch black and white monitor. Three separate "A" scopes provide continuous waveform monitoring and control of each channel.

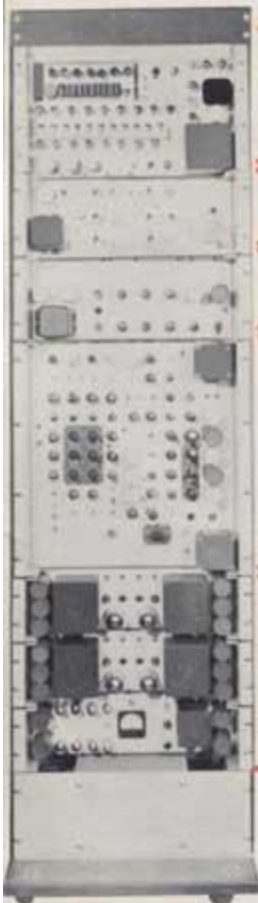


Removable housing and independently hinged chassis provide maximum accessibility.

COLOR-VISION

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**F COLORED FILM,
VISION**



Model 410A
Color Sync Generator

Model 450A
Subcarrier Generator
and Divider

Model 460A
Color Burst Keyer

Model 470A
Matrixer and Encoder

Regulated
Power Supplies

General Features

The Dage vidicon color camera was developed after two years of production experience with vidicon systems. The skillful design makes best use of the unusual technical characteristics of the vidicon to provide color pictures of excellent fidelity. In contrast to other techniques, the 3 vidicon system will operate with film and slides of varying density without developing objectional noise in the picture. The equipment is low in cost and is simple to operate and adjust.

The compact design of the camera permits its use in existing film rooms. It can be used with color or black and white film with excellent results. There are two emergency black and white channels. Both 16mm and 35mm film can be used as well as slides and opaques. Most standard TV projectors can be readily converted for use with either color or black and white film operation.

The Dage camera is unconditionally guaranteed to provide color pictures of the highest quality.



MODEL 650A COLOR MONITOR

SPECIFICATIONS ON BACK

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Film Camera System



TECHNICAL FEATURES

- True Color response
- Excellent black and white reproduction
- Excellent resolution
- Wide brightness range
- Constant black level
- Patented clamp circuits
- Simple registration procedure
- Simple in operation and maintenance
- Precision optical assembly. Vidicons can be removed and replaced without realigning dichroic mirrors
- Permanent magnet beam alignment eliminates alignment drift associated with electrical alignment systems
- Can be installed in place of your present ike camera with room to spare
- Can be used with many standard TV projectors after slight modification
- Complete accessibility for maintenance
- No abnormally high voltages
- Much better signal to noise ratio than other systems. Can be used with film and slides of wide density range
- Over-scan switch for ease of adjustment
- Mechanical registration pre-set at factory
- No mechanically operating parts in camera to wear and cause picture weave
- Uses film projectors of proven design
- Uses long life vidicon tubes.
- Vidicon positioning adjustment to make use of optimum target area
- Shading amplifiers to compensate for vidicon variations
- Complete line of accessories available. Monitors, matrixing and encoding equipment, color sync generators, test equipment, power supplies, masking amplifiers, gamma modification amplifiers, film projectors

SPECIFICATIONS

	Complete System	Camera	Camera Control	Monitor	Rack Equipment
Size		l. h. w. 23"x16 1/2"x8 1/4"	l. h. w. 36"x41"x13 1/4"	l. h. w. 19 1/2"x18"x24"	l. h. w. 19"x75"x23"
Floor Space	Approx. 49 Sq. Ft.				
Power Requirements	4000 W.* Total	Obtained from Rack		Approx. 280 W.	Approx. 400 W.
Warm-Up Time	Approx. 30 min.				
Output Level			1.0V P.P.		Matrix and Encoder 1.4V P.P. Composite**
Output Impedance		50 Ohms	75 Ohms		75 Ohms
Input Level				0.5V P.P., min.	
Input Impedance			50 Ohms	75 Ohms***	
Resolution		Approx. 600 Lines		Approx. 450 Lines	

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* Includes 2 16mm Projectors and 1 Slide Projector

** 1.0V Output Level without Sync but with color burst
*** Termination Impedance—Monitor may be bridged.

Sensational New Plan For Color!

PROTECT YOUR INVESTMENT IN TELEVISION!

A plan for color is practical when it involves improving present black and white performance while providing economical "building-block" design for adapting to color. "Adapting" in the DAGE sense DOES NOT mean adapting from one standard to another, or Rube Goldberg attachments. The single monochrome channel serves as the green channel in the color camera.

The DAGE Colorplan invites your logical thinking along the following lines:

1. The first step into local color telecasting will be the transmission of color film programs. This means the like chain must go eventually. If we can provide an immediate improvement in monochrome film transmission with equipment that will become an integral part of the color film chain, we have taken the first important step in color planning. The DAGE Basic Vidicon Film Chain provides this improved performance, plus many economical advantages such as non-synchronous long-application projectors, simple setup and adjustment, truly automatic black level, practical unattended operation, low initial cost and extremely low maintenance cost.

2. The need for color film programming may come suddenly. When this occurs, if we can provide simple plug-in components for two additional primary colors to form a completely integrated simultaneous color chain, we have taken the final step in color planning for initial programming. The space required for color is exactly the same as required for monochrome! THIS SPACE IS ONLY 6 x 8 1/4 FEET FOR CAMERA AND MULTIPLEXER, TWO COLOR FILM PROJECTORS, SLIDE PROJECTOR AND CONTROL CONSOLE, ALLOWING ADEQUATE SPACE FOR OPERATIONS AND MAINTENANCE OF EQUIPMENT!

If you need a color film chain at once, plus encoding gear for FCC Standards, DAGE is ready. SEE IT IN OPERATION AT THE NARTB CONVENTION, SPACE NUMBER 3, HEAVY EQUIPMENT SECTION. When you visit our booth, you can see the DAGE building-block Colorplan in operation, and obtain full details on this amazing plan.



Pick up your copy of "Practical Planning for Color"

at our NARTB Booth

ASK ABOUT OUR FINANCING ARRANGEMENTS

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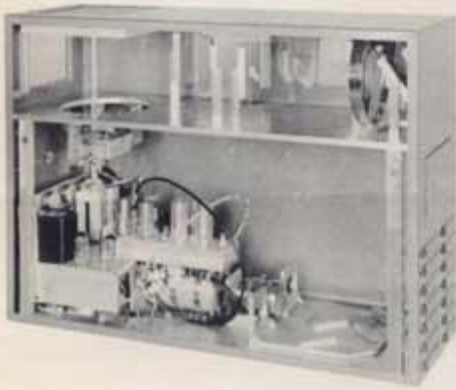
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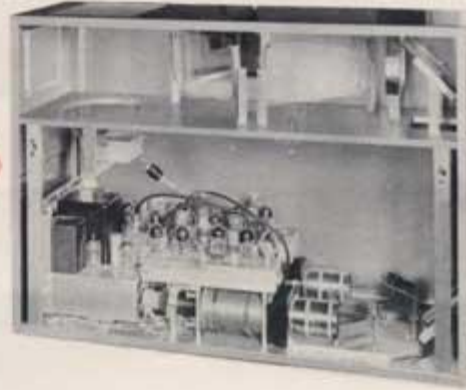
BASIC VIDICON CHAIN

—CONVERTS TO—

COLOR CHAIN



Monochrome camera & multiplexer serves as green channel in color camera. Protects your investment in B & W film camera



Color camera & multiplexer. Two additional channels plug-in to facilities shown at left.



Monochrome camera control console single channel control, auxiliary panel and cable junction chassis are returned to Dage when converted to color

Color camera control unit substituted chassis are easy to install.



- SELECTIVE MONOCHROME MONITOR
- SINGLE CHANNEL CAMERA CONTROL
- AUXILIARY PANEL
- CABLE JUNCTION CHASSIS



- SELECTIVE MONOCHROME MONITOR
- COLOR CAMERA CONTROL
- COLOR AUXILIARY PANEL
- SHADING GENERATOR



Telephone: 3-3251

TELEVISION DIVISION
WEST 10TH STREET - MICHIGAN CITY, INDIANA
THOMPSON PRODUCTS, INC.

COLOR PACKAGE

<u>COLOR FILM CAMERA, MODEL 360-A</u>	\$15,000.00
Complete with self-contained Multiplexer; Model 750-A Control Console; rack mounted Power Supply Model 850-A.	
<u>COLOR VIDEO MONITOR, MODEL 650-A</u>	\$ 2,000.00
(15" Tube, Video Only)	
<u>COLOR VIDEO MONITOR, MODEL 660-A</u>	\$ 2,750.00
(Same as 650-A, plus decoder for composit input)	
<u>COLOR SLIDE PROJECTOR, GRAY TELEJECTOR</u>	\$ 695.00
<u>PEDESTAL FOR ABOVE PROJECTOR</u>	\$ 195.00
<u>STANDARD RACK EQUIPMENT FOR COLOR</u>	
Including:	
Model 410-A Rack mounted Sync Generator	\$1,850.00
" 450-A Subcarrier Generator & Divider	525.00
" 460-A Color Burst Keyer	500.00
" 470-A Color Matrixer & Encoder	2,650.00
Power Supplies, power control & rack.	<u>1,125.00</u>
RACK TOTAL	\$ 6,650.00
<u>COLOR FILM PROJECTOR, HOLMES 16mm</u>	\$ 3,750.00
Complete with pedestal & accessories	
<u>360 AEW BLACK & WHITE VIDICON FILM CAMERA</u>	\$ 8,000.00
With self-contained Multiplexer; Model 710-A Camera Control Console complete with Power Supplies.	
<u>COLOR CONVERSION PACKAGE</u>	\$ 8,000.00
<u>Quantity</u>	
(1) 750-A Color Camera Control Console	
(2) Yoke Assemblies	
(1) Dichroic Optical Assembly	
(1) Weeks time of Field Engineer	

Effective 2/28/55
Price subject to change without notice.

Courtesy of Richard Diehl