

BARCO ADVM 10

10" Hybrid Digital / Analog Broadcast Monitor

Specifications

General Specifications Units ADVM 10E

Ambient temperature range

within specs °C / °F 10 to 40 / 50 to 104

operation °C / °F 0 to 40 / 32 to 104

storage °C / °F 20 to 70 / -4 to 158

Humidity % Max. 85, non-condensing

Power supply V AC 100 to 240

Power consumption: W typ. 42

Power factor > 0.95

Weight kg / lbs 10 / 22

Dimensions (W x H x D): mm

inch

222 x 219 / 227 (without /with foot)

x 439.5 mm

8.75" x 8.75" / 9.05

(without / with foot) x 17.3 "

Standard input specifications

Digital input

Standard: Mbit / s 270 (CCIR-601)

Resolution: bit 10

Looped through Yes (active)

Connector BNC

Composite input

Number of inputs: 2

Level Vpp / dB 1 +3 / -6

Standards Pal 4.43 / Pal M / Pal N / NTSC 3.58

/ NTSC 4.43 / SECAM

COMB Selectable

(not for NTSC 4.43 / SECAM)

Looped through Yes

Type: Non-floating

Termination (75 ž) With switch

External sync No

Connector BNC

Y/C (S-VHS) video input

Y Vpp / dB 0.7 +3 / -6

C Vpp / dB 0.3 +3 / -6

Connector 4 pins

Display performance

Raster and picture

Linearity error % ± 1 of picture height

Geometry error % ± 1.5 of picture height

Aspect ratio Switchable between 4/3 and 16/9

RGB specifications

Frequency response: KHz/MHz/dB 100 to 3 ± 1

CRT specifications

Pitch mm 0.5 (slot mask)

TV-lines -12 dB 350

Color temperature settings

Factory aligned K 6500 , 3200 , 9300

User defined: 1

The RGB control circuit is based on Continuous Cathode Calibration (CCC): Variations of the cut-off point as well as the gain of the RGB path are adjusted by a feedback loop.

Description

For over 30 years Scientific-Atlanta monitors have been the reference standard in the Broadcast world. The ADVM series is a revolutionary new concept for Broadcast monitors. ADVM is the first line of monitors optimized towards digital solutions with an additional input for a composite or Y/C analog signal. This makes the ADVM range of monitors the most attractive solution for all your applications where cost-efficiency must be linked to top performance.

The ADVM 10 is based on the highly performant CVM technology characterized by stability and reliability, enhanced by the latest evolutions in display technology. The ADVM 10 is a 10 inch compact monitor that excels by its price/performance ratio and of which two can be put side by side in a 19" inch rack. Special provision has been made to prevent interference from one monitor to the other where the sources are not gen-locked. The unit supports all broadcast features together with color auto-alignment functionality. Whether you use the monitor for perfect color reproduction, picture evaluation or in a professional studio wall, the unit is built to deliver crisp pictures at the minimum operational cost.

Features

- Dot pitch 0.5 mm
- Resolution: 350 lines
- Automatic color alignment
- 1 multi-standard S-VHS input
- Dark CRT for high contrast ratio
- CCC (Continuous Cathode Calibration)
- Supports multiple color temperature settings (3200 K, 6500 K, 9300 K and 1 user defined)
- Full 10 bit digital input with loop-through
- 2 multi-standard analog composite inputs with loop-through
- Adaptive comb (composite input)
- Closed captioning support (also on digital input)
- Standard broadcast features such as: R, G and B only, pulse cross, monochrome etc.
- Simple and user-friendly controls
- 19" rack-mount kit for two adjacent monitors available