



Product Description

The 3" Simulated RWR/AI Display consists of standard electronic modules and circuitry developed by Precision Imaging. The RWR/AI Display is comprised of two assemblies, the Display Electronics Unit (DEU) and the Display Head Unit (DHU). Available in a variety of configurations including: APR-39, ALR-69, QRC-8405, and other 3" displays. This display features:

- § Complete remote adjustment, calibration and diagnostics using a standard PC.
- § High-brightness, fine dot pitch green monochrome CRT. Available with NVIS compatibility.
- § Precision scan electronics and wide bandwidth video.
- § Same functional controls and form-factor as the flight display, plus contrast enhancement filter for improved readability.
- § Built for durability and low life-span cost in simulator applications only, including full motion platforms. Cannot be used in aircraft.

Simulated
RWR/AI Display
Radar Warning Receiver /
Azimuth Indicator Display



RWR with Display Electronics Unit



IP-1310 or
ALR-69



APR-39v3



QRC-8405

Front Plate Examples

Simulated RWR/AI Display
Radar Warning Receiver / Azimuth Indicator Display

Performance Specifications

Resolution:	640 x 480 to 1280 x 1024 multi-sync
Vertical Frequency:	60 Hz non-interlaced
Aspect Ratio:	1:1 or 4:3 Scan
Video Input Impedance:	75 OHM single ended
Video Connector:	BNC connector (coax) or HDD15
Video Level:	1 volt (includes sync), 2 volt optional
Horizontal Dimensional Stability:	within 2% of true picture size
Vertical Dimensional Stability:	within 2% of true picture size
Positional Accuracy:	within 4% of true position (respect to reticle markings)
Horizontal Positional Stability:	0.05 inches from true position
Vertical Positional Stability:	0.05 inches from true position
Geometric Distortion:	3% vertical, 3% horizontal
Display Jitter:	0.004 inches peak-to-peak

DHU Dimensions

Standard:	4A TI
Height:	3 1/4" Bezel
Width:	3 1/4" Bezel
Height:	3 1/8" Behind Bezel (chassis)
Width:	3 1/8" Behind Bezel (chassis)
Depth:	10" behind faceplate
Weight:	3 lbs.

DEU Dimensions

Height:	6"
Width:	6"
Depth:	12"
Weight:	5 lbs.

Cable

Cable length:	8 ft standard, up to 20 ft upon request
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Warranty

These units are offered with the standard Precision Display Technologies (PDT) warranty of one (1) year on parts and labor for design and/or manufacturing defects in PDT supplied components only (original manufacturers' warranties apply to all CRTs, HUD optics, AMLCDs and bezels). Warranty specifically does not include customer-induced failures or damage caused by shippers.

Operating Specifications

Power Requirement:	87-264V AC, 47-400Hz, 1 Amp
Nominal Wattage:	50 watts
Operating Temperature:	40° to 95° F
Operating Relative Humidity:	10% to 80% (non-condensing)
Storage Temperature:	-20° F to 130° F
Relative Humidity:	< 95% (non-condensing)
Safety:	designed to meet UL1950



RWR with Display Electronics Unit