

CAM Series

QUAD/DUAL CAMERA UNITS

Securaplane's CAM series are fully integrated dual or quad airborne video imagers. These high-resolution units offer up to 360 degrees of viewing for a myriad of applications. The CAM-10 provides four directions of low-light monochrome imaging optimized for security, safety and/or ground taxi applications. The CAM-11 maintains the quad view functionality of the versatile CAM-10 but replaces the forward/aft monochrome views with high-resolution color imagers for in-flight entertainment use. The CAM-12 is a dual camera version – forward

and aft color viewing only. The new CAM-14 has color views in all four directions. CAM-11, -12 and -14 can be configured with different lenses to provide narrow and/or wide angle fore and aft views.

CAM series cameras are lightweight, offer simple antenna-like installation and aerodynamic design for low-drag noise-free flying. All models may be interfaced directly to a Securaplane security system and to all popular cabin entertainment systems and video capable cockpit displays.

FEATURES:

Interfaces to VCU-05 or any aircraft-approved +12VDC power source.

APPROVED INSTALLATIONS:

- Bombardier
- Boeing
- Dassault
- Raytheon
- Gulfstream



APPLICATIONS:

- **Entertainment**
High resolution color cameras (CAM-11, CAM-12 & CAM-14)
Interfaces with existing cabin video systems
- **Safety**
View the undercarriage of the aircraft, whether in flight or on the ground
- **Security**
Interfaces with a Securaplane® security system to confirm detected intrusions

The new CAM-14 model features color views in all four directions



SPECIFICATIONS:

Model	CAM-10	CAM-11-X	CAM-12-X	CAM-14-X
Part Number	100-1007-01	100-1051-XX	100-1055-XX	100-1078-XX
Configuration	Quad, Mono	Quad, Color/Mono	Dual, Color	Quad, Color
Max. Weight	1.75 lb. (.79 kg)	1.85 lb. (.84 kg)	1.65 lb. (.75 kg)	1.85 lb. (.84 kg)
Overall Dim: (HWD)	4.0 x 1.9 x 6.7 in. (102x48x170 mm)			
Drag/CD	1.5 lbs / .26 (est.)			
Finish	Powder coated, white			
Mechanical Attach	4x 10-32 fasteners			
Mating Connector	MS3126F14-18S			
Window	Fused Silica, Heated			
Power Requirements	12 VDC from VCU-05 or Securaplane approved source.			
Power Consumption	15 w max, 8w nom.	16 w max, 9w nom.	16w max, 9 w nom	16 w max., 9 w nom.
Horizontal Field of View	71.5° FWD / 71.5° AFT 115.5° LEFT /RIGHT	-01 31° FWD / 31° AFT -02 31° FWD / 88° AFT -03 88° FWD / 88° AFT ALL L/R = 115.5°	-01 31° FWD / 31° AFT -02 31° FWD / 88° AFT -03 88° FWD / 88° AFT (No L/R)	-01 31° FWD / 31° AFT -02 31° FWD / 88° AFT -03 88° FWD / 88° AFT ALL L/R = 88°

Camera Specifications	Color	Monochrome
Signal	1 Vp-p, 75 Ω	1 Vp-p, 75 Ω
Television System	NTSC Composite Video Baseband Signal	EIA-170 Monochrome
Imager	1/4" Interline Transfer CCD	1/4" Interline Transfer CCD
Resolution	768(H) x 492 (V)	510 (H) x 492 (V)
Picture Elements	380K; 768 x 492	380K; 768 x 494
Sync	Internal	Internal
Gamma	0.45	0.45
Min. Illumination	>2 Lux (F1.2)	>0.1 Lux (F1.2)
Shutter	1/60-1/20,000 s AES	1/60-1/100,000 s AES
S/N Ratio	>50dB	>50dB
White Balance	N/A	Automatic

INSTALLATION PICTURES:


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Information subject
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