

**MOOG**  
**VIDEOLARM**



AD16/AP16

AD8/AP8

## AD/AP8C-9, AD/AP16CH2, AP16CH1

### Outdoor Tubular Dustproof & Pressurized Environmental Housings

Moog Videolarm's AD8C-9 and AP8C-9 units provide a compact camera solution for harsh environments. The units are constructed with a sealed tubular housing made from a thick aluminum that offers outstanding protection for the camera from dust, moisture, insects, and pollution. The pressurized and dustproof housing cameras can be adjusted without breaking the housings seal, RS232 connection. Moog Videolarm has equipped the AD8C-9 and AP8C-9 with a fixed high resolution color 23x (Vari-Focal Lens), auto-focus day/night camera (also available in an IP model).

#### Key Features

- Integrated heater/defogger
- 8" pressurized or dustproof tubular housing
- Multi-pin, corrosion resistant connectors
- Control with RS232 input via a Windows based laptop using software provided
- MCL 8"
- 24Vac input
- Non-volatile memory stores all settings in the event of a power loss
- Future enhancements include control via PDA and RS485 control with Moog Videolarm and other manufacturer's protocols. *Call Moog Videolarm for more information*



# AD/AP8C-9, AD/AP16CH2, AP16CH1, AP16CH2

## Fixed Tubular Camera Housing:

### AD8C-9

Dust proof outdoor housing, 24Vac input.  
 Three liquid tight fittings for wiring

### AP8C-9

Pressurized outdoor housing, 24Vac input

## Tubular Camera Housing:

### AP16CH2

16" dust-proof tubular housing, 24Vac input.  
 Includes an integrated heater/defogger MCL 16"  
 (Maximum Camera Length)

### AP16CH1

Pressurized outdoor housing, 115Vac input

### AD16CH2

Dust proof outdoor housing with heater, 24Vac input

## ACCESSORIES:



**VLAY8**  
Sunshield



**VLAY16**  
Sunshield



**WM1600**  
Wall Mount for all tubular housings

## SPECIFICATIONS:

Camera Specifications	
Image Sensor:	¼" interline transfer CCD
Output:	NTSC
Number of Effective Pixels:	Approx. 380,000 pixels
Resolution:	470 (H) x 400 (V) TV lines
Lens:	23x optical (f=3.6mm - 82.8mm)
Digital Zoom:	10x (230x with optical zoom)
Angle of View:	(H) 54° (wide) to 2.5° (tele)
Minimum Illumination	Color: 3 lux @ 1/60s, .2 lux @ 1/4s B&W: 0.02 lux (1/4s, IR cut filter removed)
S/N ratio:	50 dB
Electronic Shutter:	Auto/Manual (manual 1/2s - 1/30000s)
White Balance:	Auto/Manual
Automatic Gain Control:	Auto/Manual (-3 to 28 dB, 16x 2 dB steps)
Iris Control:	Auto/Manual
Backlight Compensation:	On/Off
Focusing System:	Auto/Manual
Low Light IR Mode:	Auto/Manual
PriVacy Zone:	On/Off

Environmental Specifications	
Operating Temperature:	-40°F to 122°F (-29°C to 49°C)

Electrical Specifications (AD-AP8C-9)	
Power Input:	24Vac, 50/60 Hz
Power Consumption:	18W (750mA)

Electrical Specifications (AD-AP16CH2)	
Power Requirements:	24Vac
Power Consumption	
Camera:	5W (208mA)
Heater:	10W (417mA)
Total:	15W (625mA)

Engineering Specifications	
AD8C-9:	The AD8C-9 environmental, dust free housing is constructed from .16" (4mm) thick aluminum. The camera housing is designed to prevent dust from entering the unit. Chemically strengthened glass has been used for the faceplate. Three liquid tight fittings (2 NPT ½" and 1 NPT 3/8") are included for cable entry. The camera has a fixed high resolution color with 23x zoom, auto iris lens. The camera has a horizontal resolution of 470 horizontal TV lines. Input power 24Vac. A camera cradle assembly allows easy installation and access to the camera and internal equipment. An integral heater/defogger is standard in each unit and is mounted to the camera cradle to allow heat transfer to the window to minimize fogging in high humidity and/or freezing under cold temperature conditions. The temperature range -40F to 120F. An aluminum sunshield is available as a separately boxed items. This unit is FCC Part 15 approved.
AP8C-9:	The AP8C-9 environmental, pressurized housing is constructed from .16" (4mm) thick aluminum. The camera housing has been sealed on both ends by radial pressure O-rings to create a tight seal. Front to back motion is prevented by a retaining ring in the front and screws in the back. Chemically strengthened glass has been used for the faceplate. The housings contain a single corrosion resistant connector for power, video, and external sync, and a mating connector is provided for the camera. The fixed high resolution color camera has a 23x zoom, auto iris lens. The camera has a horizontal resolution of 470 horizontal TV lines. Input power 24Vac. A camera cradle assembly allows for easy installation and access to the camera and internal equipment. The housings is fitted with a standard Schraeder valve for pressurization with 5 Lbs. positive pressure of dry nitrogen. An over pressurization safety relief valve has been mounted on each unit. An integral heater/defogger is standard in each unit mounted to the camera cradle to allow heat transfer to the window to minimize fogging in high humidity and/or freezing under cold temperature conditions. The temperature range -40F to 120F. An aluminum sunshield is available as a separately boxed items. This unit is FCC Part 15 approved.
AD16CH2:	The VideoKit™ AD16CH2 environmental, dust free housing is constructed from .16" (4mm) thick aluminum. The camera housing is designed to prevent dust from entering the unit. Chemically strengthened glass used for the faceplate. Three liquid tight fittings (2 NPT ½" and 1 NPT 3/8") is included for cable entry. A fixed high resolution color camera included, and features an auto iris 5-50mm lens. A camera cradle assembly is included to allow easy installation and access to the camera and internal equipment. An input power of 24Vac. An integral heater/defogger is standard in each unit and is mounted to the camera cradle to allow heat transfer to the window to minimize fogging in high humidity and/or freezing under cold temperature conditions. The temperature range shall be -40F to 120F. An aluminum sunshield is available as a separately boxed items.
AP16CH2:	The AP16CH2 environmental, pressurized housing shall be constructed from .16" (4mm) thick aluminum. The camera housing shall be sealed on both ends by radial pressure O-rings to create a tight seal. Front to back motion shall be prevented by a retaining ring in the front and screws in the back. Chemically strengthened glass shall be used for the faceplate. The housings shall contain a single corrosion resistant connector for power, video, and external sync, and a mating connector shall be provided for the camera. A camera cradle assembly shall be included to allow easy installation and access to the camera and internal equipment. The housings are fitted with a standard Schraeder valve for pressurization with 5 Lbs. positive pressure of dry nitrogen. An over pressurization safety relief valve shall be mounted on each unit. An integral heater/defogger shall be standard in each unit and shall be mounted to the camera cradle to allow heat transfer to the window to minimize fogging in high humidity and/or freezing under cold temperature conditions. The temperature range shall be -40F to 120F. An aluminum sunshield shall also be available as a separately boxed items.